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AUTHOR Bond, Richard A.
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ABSTRACT

In 1960, Project TALENT gathered demographic, cognitive, and socio-pyschological data from a nationwide sample of high school students. In addition, responses from a saturation sample of 16,000 cases in Knox County, Tennessee were collected. The relationships between attitudes, personality traits, and subsequent alcohol abuse (as shown by Knox County police arrest records) were investigated to identify factors predictive of alcohol abuse. Responses by 551 students charged with offenses involving alcohol abuse between 1961 and 1974 (A's) were compared with responses of 661 students with no alcohol abuse charges (C's). Comparisons on 473 variables revealed significant differences between A's and C's on 107 variables. A's showed greater discrepancies than C's between aspiration and performance levels. A's reported poorer health, less participation in sports requiring developed gross motor skills, and poorer self-concepts than did C's. A's also tended to come from unsupportive home environments characterized by poor parent-child communication and the absence of a male model. (NRB)

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EARLY PREDICTORS OF ALCOHOL ABUSE:
A study of the relationships between interests, values and personality variables from the 1960 TALENT Data Base and alcohol abuse in later life

Final Report

Richard A. Bond

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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SUMMARY

The purpose of the study was to identify and examine relationships between interests, values and personality characteristics of young people and the development of alcohol-related problems. The study was supported by a General Research Support grant provided by the National Institute of Health to the American Institutes for Research.

Responses of students who were tested as part of the 1960 project TALENT saturation sample in Knox County, Tennessee were used as a source of data on interests, values and personality characteristics of young people. Students were in grades 9-12 (ages 13-20) at the time of testing. Records of arrests between 1961 and 1974 for offenses involving drunkenness and/or driving while intoxicated were used to define alcohol abuse. The arrest record data were obtained from records in the Knoxville Police Department.

The experimental design involved two phases. During Phase I an exploratory analysis was conducted on different ways of subdividing the criterion variable (arrests involving alcohol abuse). The following categorization schemes were explored:

1. A single unitary variable defining one or more arrests for any offense involving alcohol abuse
2. Separate categories based on the number of arrests involving alcohol abuse: one, two, three, four, and five or more
3. Separate categories based on the type of offense involving alcohol:
   - drunkenness
   - driving while intoxicated
   - driving while intoxicated plus a traffic violation
   - drunkenness plus a non-traffic violation
   - drunkenness plus belligerent behavior

During Phase II the responses/scores on the TALENT test questions of 551 students who were charged with offenses involving alcohol abuse one or more times between 1961 and 1974 (A's) were compared with the responses of 661 students who had no charges for offenses involving alcohol abuse during the same period (C's). These comparisons were made on a total of 473 variables (a combination of individual items and derived scores). T-tests were computed for each comparison.

Phase I results revealed that it does make a difference how alcohol abuse is defined. Of six predictor variables from the TALENT Data Bank that were studied using none, one, two, three, four and five or more arrests involving alcohol abuse

as the dependent variable, analyses of the variance were significant at the .001 level for two variables and at the .05 level for one. When the above mentioned five types of offense involving alcohol abuse were tried out as dependent variables using the same six predictor variables, the results also suggested that it makes a difference just which types of offenses involving alcohol are used in defining the criterion variable. In particular, arrests involving drunkenness plus belligerence yield different results.

The Phase II results showed that out of 473 variables investigated, there were significant differences (.01 level of confidence) between A's and C's on 107 variables. The potential value in these data go well beyond what has been possible to extract and present in this report, so it is hoped that other researchers will independently analyze the data to find other relationships and patterns. Some of the interesting patterns in these data were summarized as follows:

1. Aspiration-performance discrepancy. A's showed greater discrepancies than the C's between aspiration level and performance level in a number of areas. For example, A's tended to aspire more to the prestigious jobs that require college educations than did C's, yet the school grades, attitudes toward school, curricula (college prep vs. other) of A's all indicated that they were preparing themselves less well for those jobs than C's. Further analysis of responses on the TALENT interest inventory suggested that A's not only aspire more to the more prestigious jobs than do C's, but also that they tend to shun the less prestigious manual labor type jobs such as auto mechanic, cab driver, and welder significantly more than do C's.

2. Unsupportive environment at home. A's tended to desire and require more opportunities to discuss future plans and personal problems with teachers, school counselors and principals than did C's. At the same time A's reported much less desire/frequency of talking to parents (guardians) or someone in the home about personal plans and problems than did C's. The social support systems (opinions and feelings of fathers, mothers, guardians, friends, etc.) of A's provided significantly less encouragement to do well in school or go on to college than did the social support systems of C's. At the same time that A's were rejecting the less prestigious jobs significantly more than C's, their social support systems were providing significantly less encouragement to develop skills and become qualified for jobs other than manual labor.

3. Health problems. A's tended to have poorer health than C's. Of particular significance is the fact that A's reported a significantly higher incidence of having been knocked unconscious, having had trouble moving arms and legs and having had heart trouble than did C's.

5. Self confidence. A's tended to have poorer self concepts than C's. A's also tended to forecast failure for themselves in school and sports more than C's did.

6. Relationships between early health problems, motor skills development and self concepts. The observations outlined in 3, 4, and 5 suggested that there may be a connection between these three variables. In recent years, new

emphasis has been placed on the development of motor skills during early school years as a precursor to a good self concept and academic success. In fact, many elementary schools now have "movement programs" which are designed to develop self confidence in the student as well as perceptual and motor skills. It may be that early health problems among A's result in poorer motor skills development which result in lower self confidence which result in greater failure rates in school and work.

7. Absence of a good male model in the home. A's showed less communication with parents than C's, fewer fathers or male guardians of A's were breadwinners in the family, and A's tended to spend more time away from the home either working or socializing than did C's. Fathers of A's were more active in hobby groups than fathers of C's, while fathers of C's were more activein churches and charity work. To the extent that there was a male figure in the home of A's, he tended to stress activities which accent interest in things rather than persons.

Several recommendations were made for further research. First, it was recommended that other researchers with interests in alcohol research review the results to discover other relationships and to generate new hypotheses independent of what was found in this study. The limited budget for this study could not include an in-depth analysis of the results. Second, it was recommended that further research be done to investigate the relationships between serious health problems, the lack of gross motor skill development and low self concept to problems with alcohol abuse. Third, it was recommended that additional analyses of the data be done to investigate the relationships of the predictor variables to the types of subsequent offenses involving alcohol abuse. Some data suggested, for example that there may be differences between the early values, interests and personality characteristics of persons who are subsequently arrested for simple drunkenness and those subsequently arrested for drunkenness plus belligerent behavior.

It has also been recommended that guidance counselors and educators involved in counseling or career education programs at junior and senior high schools be made aware of the aspiration-performance discrepancy that was found in the career plans of A's in this study. This finding, combined with a greater tendency for A's to seek personal and career counseling from teachers and counselors, suggested that there was a real opportunity for teachers and counselors to have an impact on the lives of young people before a problem with alcohol developed.

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The study was conceived by Dr. Jack C. Crawford, who also obtained financial support for it and directed it during the background investigation and data collection phases. During these phases Dr. Crawford was assisted by Mr. Edwin Carr who searched the literature and contacted other investigators to obtain relevant background information; by Dr. Louise Cureton who developed the forms and procedures for collecting arrest record data and supervised the data collection; and by Ms. Marjorie Bennett who performed the tedious tasks of matching names on arrest records at the Knoxville Police Department with names of students who participated in the 1960 TALENT testing in Knox County Tennessee and who abstracted arrest record data for better than 600 such matches.

I would also like to acknowledge the contributions made by other members of the AIR staff after I assumed directorship of the project in January, 1976. I am grateful to Dr. Vincent Campbell for his help in planning the analysis strategy followed in this study and selecting predictor variables from the TALENT battery most likely to show strong relationships with arrests involving alcohol; to Dr. David Gross and Ms. Naomi Bloom for assisting with computer analyses of the data; and to Dr. Dewey Lipe and Ms. Fran Stancavage for reviewing this report and providing many helpful comments.

All of us involved in this study are indebted to Chief J. Fowler and to the Knoxville Police Department for their cooperation and help in obtaining arrest record data. Without their wholehearted support, the study simply would not have been possible.

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INTRODUCTION

Alcohol abuse: a national problem

Alcohol abuse is increasingly recognized as the nation's greatest drug problem. Chronic abuse affects not only the lives of abusers themselves, but also the lives of the abuser's family and friends, and the lives of innocent persons who suffer the impact of their irresponsible actions. The tragic scenario of life for the chronic abuser often includes the erosion of confidence and self respect; deep feelings of guilt; alienation of family and friends -- often leading to separation and divorce; loss of pride in work; the development of poor work habits and their consequences -- loss of job and reduced employability.

Beyond the impact of alcohol abuse on the life of the abuser is the impact on the lives of innocent others. Hundreds of innocent persons are seriously injured or killed each year in automobile accidents involving intoxicated drivers. Many others are assaulted and hurt both physically and psychologically by persons who commit violent acts while under the influence of alcohol. Often the victims are children and the alcohol-abusing offenders are their parents.

With so many tragic events associated with alcohol abuse, one would think that the problem would have been studied sufficiently such that solutions would be forthcoming. But alcohol abuse is an insidious problem. Since moderate drinking is not only sanctioned but encouraged by many segments of society, it is not easy to separate social drinking from the acquisition of an alcohol habit. And since society chooses not to, the problem cannot be legislated away by controlling the production, sales, or use of alcoholic beverages.

Although alcohol abuse can involve a physical addition to alcohol, psychological and social factors are also significant. More and more, alcohol abuse is coming to be viewed as a response to difficult life problems. The response eases the immediate pain, but solves nothing in the long run. Instead, for many, the response leads to a habit which may become a physical addition.

Related research on alcohol abuse

Information on the effect of alcohol abuse and our knowledge of associated variables tend to be derived from either patient populations or from small numbers of experimental volunteers studied over a short period of time. Longitudinal studies of "normals" are relatively scarce. One of the more prominent is that by Mary Cover Jones (1968) which attempted to identify adolescent personality factors

associated with later drinking problems. Her approach was to tap, post hoc, into an established longitudinal study, the Oakland Growth Study; identify problem drinkers; and then search for accompanying variables available from the original data base which had been taken when the subjects were in junior high school. Her findings were constrained by the limited number of cases. The Oakland Growth Study had an original sample of less than 100 subjects, and less than 10 of these were later identified as problem drinkers.

Probably the most systematic longitudinal study has been the drinking problem survey of Don Cahalan (1970) in which a national sample has been used. An original sample of 2,746 was interviewed in 1964-65 and 1,359 were interviewed again in 1967. No prior data base was available on these subjects, all of whom were adults at the time of the original interview.

An intensive effort is also being conducted by Jessor (1972). However, longitudinal data over any extent of time will not be forthcoming for a number of years.

The rapidly increasing resources now being marshalled into treating and preventing alcohol abuse via the National Institute on Alcohol Abuse and Alcoholism are supported by only a slender set of empirical evidence regarding the onset and etiology of problem drinking across the general population. The limitations of the studies cited above with respect to sample size is further heightened by the constraints of available measures, e.g., psychological, social and educational variables, collected on each subject.

Project TALENT Data Bank

The American Institutes for Research possesses a unique research resource for longitudinal studies, the TALENT Data Bank. Project TALENT is a large-scale longitudinal study of the backgrounds, experiences and careers of 400,000 persons begun in 1960. A probability sample was drawn of approximately 5% of the public, parochial, and private secondary schools (grades 9-12) in the United States. In addition, a saturation sample of 16,000 cases was tested in one county, Knox County, Tennessee, so that certain kinds of studies not feasible on a nationwide basis could be made. The TALENT tests consisted of a two-day battery of aptitude and achievement tests and inventories. The student tests and inventories included measures of general ability, specialized aptitudes, interests and temperament. Student activities, home background, and plans for the future were described in the background questionnaire. Thus, Project TALENT provides the first long-range

longitudinal study of a representative sample of students assessed with a comprehensive set of psychological, educational, and personal measures.

Part of that data bank has not previously been explored for its potential contribution to scientific and social problems. That part includes the large number of variables dealing with personality, attitudes, interests and values. Almost all previous TALENT studies have utilized aptitude and achievement information, but not the other measures that are available.

Early predictors of Alcohol abuse.

The present study takes advantage of the TALENT Data Bank as a source of information that can be related to aocohol abuse. It examines relationships between some 473 TALENT measures of the attitudes, interests, values, and personality characteristics of young people and the development of problems with alcohol later on. Responses of students who were tested as part of the Project TALENT saturation sample in Knox County, Tennessee, were used as a source of data on attitudes, interests, values and personality characteristics; while records of arrests between 1961 and 1974 for offenses involving alcohol abuse (sometimes simply drunkenness, sometimes driving while intoxicated and sometimes a combination of these and other charges) were used as the criterion for alcohol abuse.

METHODS

Experimental Design

Overview: The scope of the present study and some of the planned activities have changed somewhat since it was originally conceived. These changes, for the most part, have been a function of either the thinking of a new project director or budget constraints. Most of the time it was both.

The basic questions that have motivated and guided this study, however, have remained the same:

- Can we predict future problems with alcohol from the responses of young people to questions that get at such things as personality characteristics, plans for the future, interests and values?
- Can patterns or configurations of early predictors of alcohol abuse be seen in these responses.

Given these questions to answer, the experimental design focused on seeing how students who later had problems with alcohol (A's) responded to selected questions from the 1960 TALENT test battery compared to students who did not later have problems with alcohol (C's).

The original prospectus called for examining four groups as part of the study: (1) repeated alcohol related arrests, (2) limited alcohol related arrests, (3) arrests not involving alcohol, and (4) no arrests. It was not possible to examine the last two groups during analysis because only arrest records of persons who had one or more arrests involving alcohol abuse were abstracted when arrest record data was collected. This left both persons who had no arrests and persons who had arrests not including alcohol mixed together to form the control group. Apparently, the cost of abstracting enough additional records to separate "no arrests" from "arrests not involving alcohol" would have been too much for the project budget. As a result, in this study the experimental group is defined as "one or more arrests involving alcohol," and the control group is defined as "no arrests or arrests not involving alcohol."

The responses of A's and C's were compared on some 473 TALENT items and scales. T-tests were computed for each item.

Literature Search: A limited literature search was conducted to identify psychological and social correlates of alcohol abuse detected by other researchers that

might provide useful insights in selecting which items in the TALENT test battery we wanted to investigate. A second purpose of the literature search was to provide some background for understanding and interpreting results from the present study.

Selection of Predictor Variables:

The TALENT data bank contains a large number of variables (both individual items and derived scales or scores) dealing with personality, attitudes, interests, and values. In all, over 800 variables were considered as candidates for investigation in the present study.

Of these, six were selected for the Phase I analysis and 473 were selected for the Phase II analysis.

Since the purpose of the Phase I analysis was to look at several operational definitions of the criterion variable (alcohol abuse) to see whether the way alcohol abuse was operationalized made a difference in the results, the six predictor variables selected were ones that other researchers had found clearly correlated with alcohol abuse.

The Phase II analysis was an attempt to identify additional predictor variables that show significant relationships with alcohol abuse.

Sample Selection

Both the experimental and control groups used in the present study were drawn from a population of approximately 16,000 students who attended Knox County, Tennessee schools (grades 9-12) in 1960 and who participated in the Project TALENT Testing at that time. Only males were sampled in this study as there were too few females with records of arrests involving alcohol abuse to make a large enough experimental group. Also, there were problems in trying to match married names on arrest records with single names on the 1960 TALENT test forms which would have added greatly to data collection costs.

Experimental Group: Of some 7079 males in the Knox County sample, 568 were found to have arrest records involving alcohol abuse sometime between 1960 and 1974. These arrest records were only from the Knoxville Police Department and do not include any municipalities outside Knoxville which may also be part of Knox County. Of these 568, 17 did not match with the information on the TALENT tapes, leaving 551 males in the experimental group.

Control Group: The control group was formed by selecting every 10th name from the TALENT file for the Knox County saturation sample who was not female and who was not already in the experimental group. This procedure resulted in 661 names of males for which 1960 TALENT test data were available and who did not have Knoxville arrest records for offenses involving alcohol abuse. It is entirely possible, however, that members of the control group might have arrest records for offenses involving alcohol abuse outside of Knoxville.

Data Collection and Processing

Arrest record data for offenses involving alcohol abuse were collected at the Knoxville Police Department in the spring of 1975.

The data collector was experienced in searching the arrest records at the Knoxville Police Department as a result of her involvement in a recent and similar study. In addition, she maintained excellent relations with those in the Department who assisted her. The importance of these qualities in a data collector to a study of this type cannot be overestimated.

The data collector used an updated list of Knox County TALENT participants in alphabetical order and checked for matches against arrest records involving alcohol abuse. When a match was found, the relevant data was recorded on an arrest record form (see Appendix A) for that person. The form called for the following information to be recorded:

TALENT testing number
Date of birth
Age at time of testing
Occupation at the time of first arrest
Date of most recent arrest
Age at time of most recent arrest
Type of offense (most recent arrest)
Date of second most recent arrest
Age at time of second most recent arrest
Type of offense (second most recent arrest)
Date of first arrest
Age at time of first arrest
Number of alcohol-related offenses

As it turned out, a good deal of this information which was collected and coded was not analyzed and reported out because of insufficient funds. For example,

it was felt that age at time of testing and age at time of offense might yield some important information but these variables were never used in the analyses. Similarly, some time was spent in coding data by type of offense in hopes that some analyses could be done with them. However, it was only possible to look at these variables in the Phase I analyses.

Following the collection of arrest record data, the completed forms (569 in all) were shipped to Palo Alto where they were checked and the information on them was entered onto IBM coding sheets. Subsequently, the arrest record data was entered via computer terminal onto a computer tape and merged with data from the 1960 TALENT testing. Seventeen of the ID numbers on the arrest records did not match with ID numbers on the 1960 TALENT tests. These were dropped from the file as it was felt that the time required to determine the reasons for the mismatch did not justify the benefits of finding a solution. This resulted in an N of 551 for the experimental group.

Data Analysis

Data analysis was conducted in two phases. The phase I analysis focused on the criterion variable (arrests involving alcohol abuse) while the Phase II analysis focused on the predictor variables (independent items and derived scores/scales from the TALENT data bank).

Phase I Analysis: The purpose of the Phase I analysis was to look in greater depth at the criterion variable used in this study -- arrests involving alcohol abuse. We wanted to know if it made a difference if we used "number of arrests involving alcohol," or "type of offense" instead of just "having or not having had an alcohol related arrest," as the criterion variable. In order to do this six measures of personality/values/attitudes were identified which past research findings indicated would probably show significant relationships with arrests involving alcohol. By studying the relationships between these six predictor variables and the aforementioned variations of the criterion variable, we hoped to determine how important it would be to analyze by these variations when we looked at other predictor variables. If, for example, we found that these variations of the criterion variable show very similar relationships to each of the six predictor variables being tried here, we would concentrate future analyses on looking at the relationship between a large number of predictor variables, and just one variation of the criterion variable. Otherwise, we would have the option of electing to study fewer predictor variables and continue to look at variations of the criterion variable.

The six predictor variables selected for the Phase I analyses were:

Var. No.	Description
1	The Mature Personality Scale from the Student Activity Inventory (SAI). The range of possible values for this variable is 0-24.
2	Religious Participation, item 6 of Student Information Blank (SIB). The range of possible values is 1-6: 1 = extremely active and, 6 = Not a member of any religious organization.
3	Degree of participation in extracurricular activities except sports. The range of possible scores is 0-100. From the SIB, a combination of SIB items 1-10.
4	Study habits and attitudes. The range of possible scores is 0-40. From the SIB, a combination of 16 items.
5	Degree of activity in hobbies except sports. The range of possible scores is 0-90. From the SIB, a combination of 15 items including 14-26 and 28.
6	Impulsiveness scale. The range of possible scores is 0-9. From the SAI, a combination of the following items: 22, 48, 73, 88, 103, 118, 133, 147 and 148.

Three variations in operationalizing the criterion variable were analyzed in the Phase I analyses:

1. One or more arrests vs. no arrests (experimental group vs. control group) for each of the six predictor variables.
   Statistic: T test.

2. Analysis by number of arrests for each of the six predictor variables.

   Categories of Criterion Variable

   No arrests
   1 arrest
   2 arrests
   3 arrests

4 arrests
5 arrests or more

Statistic: F test

3. Analysis by type of arrest for each of the six predictor variables.

Categories of Criterion Variable

Drunkenness only
Drunkenness + DWI (driving while intoxicated)
Drunkenness + DWI + break traffic law
Drunkenness + break nontraffic law
Drunkenness + belligerence

Phase II Analysis: It was determined from the Phase I analysis that it would probably be best to use only one definition of the criterion variable and to study more predictor variables in Phase II rather than use more than one criterion variable and to study fewer predictor variables.

The Phase II was really the heart of the study. Some 473 predictor variables were selected from the TALENT data bank for analysis in Phase II.

For each variable analyzed, a T-test was computed and its significance was estimated based on two-tailed probabilities.

The criterion variable in Phase II was defined as "having been arrested one or more times between 1960 and 1974 for charges involving the misuse of alcohol." Such charges were often accompanied by other charges like traffic violations and disorderly conduct.

The 473 predictor variables examined in Phase II were:

Test/Scale/Item or Variable Name	# of Variables
Preference Test Score/Decisiveness Scale/A-500	1
Student Activities Inventory (SAI) All 10 Scales/ R-601 Through R-610	10
Interest Inventory/Scores from all 205 items	205
Interest Inventory/Scores from all 17 scales/ P-701-P-717	17
Student Information Blank (SIB)/All of the following items:	223

1-130 239 281
132 243 297
134 251 304

Test/Scale/Item or Variable Name			# of Variables
135	254	306	
138-157	258	307-333	
169	259	337	
206	261	338	
210-212	264	348	
218	270	350-364	
219	274		
221-223	279		
Student Information Blank (SIB)/Socioeconomic Index/P*801			1
Student Information Blank (SIB)/All 17 of the following SIB Composite Scores:			17
			473
D-802	F-822		
F-803	F-823		
P-820	P-827-834		

RESULTS

Study Limitations

One caution to keep in mind in considering the results which follow has to do with the relationship between Knoxville and Knox County in the present study. The City of Knoxville takes in about 60% to 70% of the population of Knox County, Tennessee. While the 1960 TALENT saturation sample included all of the students in Knox County, the arrest record data came only from the Knoxville Police Department. Therefore, there may have been some persons in our control group who were arrested one or more times for offenses involving the misuse of alcohol in Knox County, but not in Knoxville. This seemingly would tend to decrease rather than increase the observed differences between A's and C's in this study. Therefore, perhaps the real differences should be even greater than those reported.

Phase I Results

The results of the Phase I analysis show that how we operationally define the criterion variable (arrests involving alcohol abuse) does make a difference.

When we looked at the relationships of the six predictor variables with none, one, two, three, four and five or more arrests involving alcohol abuse, we found that two of the predictor variables (mature personality scale and study habits) yielded highly significant differences. In both relationships the F ratios for analysis of variance were significant beyond the 1% level of confidence (see Appendix B, pages B-4 and B-5). With both variables, the relationship was in the expected direction: fewer arrests involving alcohol abuse covaries with higher scores on the mature personality scale and better study habits.

The analysis of the six predictor variables by type of arrest also yielded some interesting although more difficult to interpret results. Six categories of type of arrest were analyzed by each of the six variables. They were:

1. No arrests involving alcohol abuse
2. Arrests for drunkenness
3. Arrests for driving while under the influence of alcohol
4. Arrests for driving while under the influence of alcohol and for a traffic violation
5. Arrests for drunkenness and some other non-traffic violations
6. Arrests for drunkenness and for being belligerent

Table 1. Phase I Results by Type of Arrest

Predictor Variable		Type of Arrest 1. No. Arrests	2. Drunkenness	3. DWI	4. DWI + Traffic Violations	5. Drunkenness + Non-Traf. Vio.	6. Drunkenness + Belligerence
R670 Mature Personality	$\bar{X}$	10.44	8.94	9.00	8.65	7.90	9.04
	N	640	527	134	122	50	65
SIB #6 Religious Participation	$\bar{X}$	3.62	3.67	3.64	3.57	3.52	3.72
	N	642	514	133	122	52	54
F-832 Participation in extracurricular act. except sports	$\bar{X}$	21.27	23.08	22.60	22.65	24.21	24.82
	N	649	528	135	123	53	55
P-827 Study habits and attitudes	$\bar{X}$	23.05	20.75	21.77	21.73	20.17	20.85
	N	615	508	131	120	53	54
F-834 Participation in hobbies	$\bar{X}$	26.05	25.43	25.73	25.51	25.63	27.85
	N	575	409	115	107	46	52
R-603 Impulsiveness Scale	$\bar{X}$	2.51	2.50	2.55	2.41	2.64	2.95
	N	538	428	107	96	44	42

The data in Table 1 was pulled together by hand from printout of a SPSS CROSS TABS Routine that yielded Chi Square values and considered first, second and most recent arrests. Therefore, no SD's were available and tests of significance were not computed for these results. However, it is clear that the means vary considerably between types of offenses for some of these predictor variables. Higher $\bar{X}$ scores in Table 1 mean that respondents grouped under that type of offense show more of whatever the predictor variable measures. For example, type of arrest #6 (characterized as having been drunk and belligerent) had the highest average score (2.95) on the Impulsiveness Scale meaning that the scale classified that group as being more impulsive than other groups. It should also be pointed out that the six categories showing types of offense in Table 1 are not all mutually exclusive. "No arrests" is of course mutually exclusive with the other five categories, but "Drunkenness" is not mutually exclusive with "DWI," "DWI +

Traffic Violation," "Drunkenness + Traffic Violation," and "Drunkenness + Belligerence" for example.

Phase II Results

The Phase II results show that out of 473 variables analyzed, there were differences between the A's (one or more arrests involving alcohol) and the C's (no arrests involving alcohol) that were significant at the 1% level (two-tailed test) on 107 variables. We would have expected only 5 variables to be significant at the 1% level of confidence by chance alone. Therefore, a far greater number of variables yielded significant differences than were expected.

With so many significant differences to look at, the task of ferreting out patterns in these differences and formulating explanations for them becomes enormous and goes well beyond what is possible to do in this study alone. Nonetheless, at least a beginning on this task was made and is reported in the following pages. It is hoped that readers will be intrigued and stimulated and thus be encouraged to examine the data further for other patterns and to generate other explanations and hypotheses independently. To this end, the results (computer printout) for all 473 variables analyzed is presented in Appendix C.

It is not feasible to describe adequately each of the 473 variables that were examined in this study, even in the Appendix. What is required of the reader who is interested in scrutinizing the data more closely, then, is to obtain a copy of "The Project TALENT Data Bank: A Handbook" printed in April 1972 to assist in understanding just what each variable measured.*

A few tips may be helpful to those who wish to examine the computer printout of results in Appendix C. These tips are included in Appendix C.

Some interesting patterns that can be seen in the results are summarized as follows:

1. A's show greater discrepancies than C's between what they would like in the way of vocations and how well they are preparing themselves for it. For example, A's tend to aspire to the more prestigious jobs (ones that require college educations), yet they also tend to be in non-college curricula (business or commercial courses or vocational shop or agricultural courses) as evidenced by: (1) Interest Inventory Items 12, 45, 54, 55, 67, 74, 76, 78, 94, 145, 162,

* A copy of the "Project TALENT Data Bank: A Handbook" can be obtained by writing Project TALENT, American Institutes for Reserach, PO Box 1113, Palo Alto, California 94302.

180, and 201; and (2) Student Information Blank Items 102 and 103. A's also report having much greater trouble in school (e.g., studying) than C's, as can be seen in SIB items 69-90.

2. A's show a much greater frequency of discussing hoped-for jobs after high school and personal problems with principals, teachers and school counselors, yet a much lower frequency of discussing plans for after high school with either their mother or their father than do C's. This seems to indicate the absence of a supportive adult person at home. (See SIB items 115, 117, 119, 121, 122, and 123).

3. It is interesting to note that the fathers of A's were significantly more active in hobby groups, such as dramatics, band, arts and crafts, etc. than the father's of C's, but significantly less active than the fathers of C's in church or religious groups such as teaching Sunday School or charity work. Perhaps the emphasis on purpose and acceptance in life modeled by the church-active fathers accounts somewhat for the greater purpose and acceptance of self seen in the C's responses. Similar patterns are seen for mothers of A's in SIB items 148, 150, 151, and 153.

4. At the time of testing, A's had had significantly more experience working for pay than C's (see SIB items 36, 38, 41, 42, 43, 45, and 50). Most of these summer and part time jobs were probably menial labor and unprestigious jobs, which may relate to A's low interest in labor, trade and unprestigious jobs and high interest in the more prestigious vocations that require a college education.

5. Under family and home, A's have lived in more homes than C's (see SIB 169). Perhaps this adds to the feeling of lack of purpose and lack of roots among A's.

6. Under health, all five items that showed significant differnces between A's and C's indicated poorer health among A's (see SIB 258, 259, 260, 270, and 281). Of interest is that A's had a higher incidence of being knocked unconscious, not being able to use both arms or both legs, being advised they had heart trouble, and being told by doctors that they should avoid too much physical exertion or strenuous exercise. It could be that as a result of these health problems A's have had fewer opportunities to develop motor skills.

7. Education Plans: A's have lower expectations of educational attainment than do C's on every item that was significant. As a matter of fact everything seems to point in the direction of lower educational attainment including:

A's own estimation of plans (SIB 297, 304, and 306)
A's estimation of what his parents want (SIB 337)
A's estimation of what his friends will do (SIB 338)

It appears that nearly everyone in the As' support system influence A's in the direction of not going to college. Again it should be noted that lack of educational plans conflicts directly with As' preferences for prestigious jobs that typically require college and/or considerable educational planning.

8. Signs of conflict with parents: In addition to talking to teachers, counselors, and principals about personal problems and future plans more than C's, A's talk to their parents less than C's. A's also indicate that they consider their mothers' (SIB 309) and fathers' (SIB 308) desire that they go to college as significantly less of a good reason for going than do C's. This indicates As' lack of communication with parents and greater degree of rebellion than for C's.

9. Given six things that are commonly thought to be important in an occupation, A's attached less importance to all of them than did C's. Two of them were significant at the .01 level (SIB 351 and 352). This would seem to indicate either that C's had invested more time and thought in deciding what they wanted in an occupation and were thus prepared to say what was important to them, or that C's simply placed more emphasis on getting satisfaction and rewards from a job than did A's. Again SIB 357 and 358 indicate that C's placed greater emphasis on getting satisfaction from the work itself than did A's.

10. On 8 out of 10 scales derived from the SAI, an inventory consisting of 150 self-descriptive terms dealing with aspects of the student's personality, the A's showed significant (.001 level) differences from the C's. In all cases the differences reflected an advantage for C's over A's. For example, C's showed greater:

Sociability
Social sensitivity
Vigor
Calmness

Tidiness
Culture
Self-confidence
Matureness in personality

However, differences were not significant for the impulsiveness and leadership scales.

11. Only 2 of the 17 Interest Inventory Scales revealed significant differences between A's and C's. The two that did show significant differences were "Skilled Trades" and "Labor." Of considerable interest here is that A's showed considerably greater dislike for jobs and activities falling under "Skilled Trades" and "Labor" than did C's, while holding professional jobs, prestigious jobs and in general jobs that require a college education or better in high esteem. Yet, there were numerous items from the SIB which indicated that A's had considerably greater difficulty with school work and less interest in school work than did C's. Also, A's tended to be enrolled in business, commercial, vocational and shop courses rather than college prep courses. Furthermore, As' educational and vocational plans indicated they were much less likely to go on to college so as to eventually end up in the types of jobs they preferred than were C's. In other words, As' interests, values, preferences, etc., just didn't match the direction in which they were headed. SIB composite D-802 shows that more than one-and-one-half times as many C's than A's were in fact taking courses which were preparing them for college, professional careers, etc. Also, SIB composite P828 and P829 show respectively that A's perceptions of their own writing skills and reading skills were much lower than C's.

12. A's showed involvement in significantly less variety of extracurricular group activities (excluding sports) in high school than did C's. This finding, however, did not hold for sports. Also, the fact that A's were more involved with summer jobs and part time work may account for many of the differences seen here.

13. A's tended to have a significantly more active social life than C's as defined by: going out on a date at a younger age than C's' having on the average more dates during the week than C's; being able to go out after 8:00 p.m. on more days in a week than C's; and being able to go out more evenings a week during the school year for fun and recreation than C's.

The overall picture we get from the findings is that A's were less satisfied with themselves and their lives than were C's. Personality scales show less maturity for A's than C's. Self concept measures show lower self esteem for A's. Home life information shows that A's are less well off socioeconomically, come from larger families, and communicate less with parents about their future plans. School life information shows that A's are more likely than C's to dislike school, have trouble studying (especially reading and writing), and are less involved in extra school activities. After-school-life information shows that A's are more likely to have part time jobs which we can speculate they do not particularly like, or at least that they do not see these jobs as helping to prepare them for future jobs that they would like. A's are also more likely to have more licenses with their social lives than C's. Yet, even more bleak then A's life situation in 1960 was their prognosis for the future. Even though A's disliked school more, did less well in school, and followed non-college preparatory curricula more than C's, A's nonetheless aspired to prestigious jobs typically requiring higher education more than C's. At the same time, A's dislike for jobs that could be classified as labor, trade, non-professional, etc. was significantly higher than C's. The prognosis for future job satisfaction for A's was clearly bad. At the same time, A's prognosis for future interpersonal relations was not good. A's lower scores on a mature personality scale, lower self concepts, and the fact that they had not worked out ways of communicating about important things (future plans) with significant members of their family (parents) indicated that the prognosis for their future interpersonal relations at home were also bad. In short, it seems that we can predict future problems involving alcohol abuse based on As' responses to TALENT questions in 1960 especially if we think of alcohol as providing an escape from unsatisfying life situations.

DISCUSSION

There were far too many interesting and statistically significant results produced in the present study to adequately describe and discuss here. A few of these were noted and summarized in the preceding section and will be discussed more in the present section. These few results, however, just scratch the surface. The study has generated a wealth of data and it is hoped that other researchers will review it from their own unique perspectives and discover many additional results worth noting and discussing.

From the results already presented, a few themes have emerged in the relationships between the predictor variables and problems with alcohol. These themes are described and discussed below.

1. Aspiration/performance discrepancy. What this seems to be saying is that these young people (the A's) were already on a collision course with themselves and their own career futures back in high school. Perhaps the reality that they would not be able to be who and what they wanted to be was not yet apparent to them back then. And perhaps, the optimism that characterizes youth had not yet allowed them to predict their own fate. What then happens when these young people leave school and are turned away by employers who tell them that their credentials for the job they want are inadequate? And what happens when they attempt to enroll in training programs or programs in higher education and are told that their high school grades and the courses they have taken do not qualify them for entry into the programs? Then the reality hits. It becomes clear to them that they are not going to hold the prestigious positions they aspired to in high school, and that rather, they must do the menial, less prestigious jobs that they felt were so distasteful in their youth. This describes a person who will get little satisfaction from his or her work life, and a good candidate for alcohol abuse.

2. Unsupportive environment at home. This scenario for A's seems to be saying that in addition to not being parpared for future careers and jobs through some form of realistic self appraisal and planning that they are also having more trouble than C's finding a supportive and happy home life. Their response to the unsupportive environment at home is to communicate less with their parents about important personal issues and to compensate by seeking more advice and support from their peer group. The important point is that A's are not learning a model for how to communicate with and support each other in a family situation, so

they don't have a good model to follow when they get married and have a family of their own. The prospect of a future unhappy home life adds to the bleakness of A's' futures and makes them even better candidates for problems with alcohol.

3. Health problems. A's tended to have poorer health than C's. Of particular significance is the fact that A's reported a significantly higher incidence of having been knocked unconscious, having had trouble moving arms and legs and having had heart trouble than did C's.

Just how and why persons with more health problems when they are young are more inclined to have problems with alcohol later on was an interesting and unexpected finding. Perhaps being intoxicated is a way of getting into a state of helplessness that brings some of the attention and concern that A's experienced when they were in poor health as children. Since this possible explanation seems to fit better those people who are passive rather than belligerent under the influence of alcohol, it would be interesting to look at these health variables by type of offense in some future analysis. We would predict that the relationship would hold for the "Arrests for Drunkenness" and "Arrests for Driving While Under the Influence of Alcohol" groups but not for the "Arrests for Drunkenness and for Being Belligerent" group.

4. Motor skills. A's tended to participate less in sports that require good development of gross motor skills than did C's. This also was an interesting and unexpected finding. Perhaps it is tied in with the finding that A's also have had a history of more serious health problems than C's thus limiting their opportunities to develop gross motor skills as children. This hypothesis will be discussed further under 6 below.

5. Self confidence. A's tended to have poorer self concepts than C's. They tended to forecast failure for themselves in school and sports more than C's did. This finding came as no surprise as lower self concept typically precedes frustration and failure in dealing with life problems.

6. Relationship between early health problems, motor skills development and self concepts. The observations outlined in 3, 4, and 5 suggest that there may be a connection between these three variables. When the medical finding that A's have higher incidence than C's of having:

been knocked unconscious
had trouble moving arms
had trouble moving legs
had heart trouble
had a generally worse medicaly history

are combined with the lower self confidence and lower expectations of future success and happiness, it invites researchers in the growing area of perceptual and motor skills development to form hypotheses about the relationships between these variables. Do early medical problems retard the development of perceptual and motor skills that many educators now feel are essential to good self concept and success in school? Would this, in part, explain why A's lack self confidence, are less successful in school and participate less in sports which would typically require gross motor skill development while at the same time participate more in other hobbies and activities that do not require gross motor skill development?

In recent years, new emphasis has been placed on the development of motor skills during early school years as a precursor to a good self concept and academic success. In fact, many elementary schools in Palo Alto now have "movement programs" which are designed to develop self confidence in the student as well as perceptual and motor skills. It may be that early health problems among A's result in poorer motor skills development which result in lower self confidence which results in greater failure rates in school and work. It is also interesting to note that the incidence of alcohol abuse among Native Americans is quite high relative to Whites or Blacks, and that most tribes on reservations still follow the practice of placing the small child in a transporter that restricts their movement during much of the day. This is not an attempt to discount the undoubtedly important role that social and psychological factors have played in the problem of alcohol abuse among Native Americans. Rather it is an attempt to look to new factors for some of the explanation. At any rate, the relationship between health, motor skills development and self concept invite further study.

7. Absense of an effective male model in the home. The basic amount of communication between parents and students seen in As' responses compared to Cs', the tendency for fewer fathers and male guardians of A's to be the family breadwinner (SIB 130), and the greater time spent by A's away from the home working or socializing at night may add up to the absence of a good male model for A's. It is also noteworthy that the fathers of A's were more active in hobby groups than the fathers of C's, but that fathers of C's were more active in churches, charity

work, etc. than fathers of A's. In other words, the model that is provided by fathers of A's stresses activities which accent pride and interest in things, rather than activities which stress interest in other people and which require the development of good interpersonal relations and have as their reward appreciation and warm feelings from others.

RECOMMENDATIONS

Several recommendations for future research and the implementation of school programs seem justified from the results of the present study. Each recommendation is described in detail below.

1. Programs of career and personal counseling in grades 9-12. Given A's aspiration-performance discrepancy in their career plans, combined with their need for and acceptance of counseling from school officials, a project to help teachers and counselors recognize the discrepancy and to provide helpful counseling seems appropriate. Many schools already have guidance and counseling programs for students. The results of the present study point up the need for guidance counselors to look for and to take the issue of aspiration-performance discrepancy seriously, and to seek ways with the student of reducing it.

In recent years many schools have been providing career education to help students assess their own skills and interests, understand something about the real world of work and to begin to realistically plan for a career of their choice. Career education programs seem right on target with what is called for at the school level to help solve the problem.

2. Future research. One focus of further research would be to see if and how serious health problems, lack of gross motor skill development and low self concept are linked together as precursors to problems with alcohol.

Another interesting area that warrants further research is the issue of early health problems and how they relate to problems with alcohol abuse in later life. It was suggested earlier that it would be valuable to look at how the health-related variables that showed significant relationships with alcohol abuse in the present study related to alcohol abuse by type of offense. For example, do the relationships hold when we define alcohol abuse as "drunkenness only," "driving while intoxicated," "drunk and belligerent," etc. This would help determine if the effects we see are more physiological or more psychological in nature.

The budget for the present study did not permit much analysis of predictor variable by type of offense with exception of the six analyses done in Phase I. Such analyses across a larger number of variables might well yield some important data regarding the psychological makeup of the person who misuses alcohol. It may well be that there is more than one typical set of interests,

values and personality characteristics for the alcohol abuser. We may find, for example, that there are passive and aggressive alcohol abusers, and that they have different values, interests and experiences in their youth.

Another possibility for further research relating TALENT data to the problem of alcohol abuse would involve the use of TALENT follow-up data which could portray better any changes that have occurred in attitudes, interests and values of A's compared to when they were first tested back in 1960.

APPENDIX A

Arrest Record Form

AIR-3/75-96710

1 Testing number	2 PT name (print, last name first)								3 KA #
4 Age	5 Mo da yr	6 Sex	7 Mar	8 Occ	9 Record name; aliases				
10 Agency record used		11 Id #	12 #drk	13 Type	14 #trf	15 Type	16 #oth	17 Type	18 Mpl

19 Address mo yr	20 Drk charge	21 Disposition mo yr
22 Address mo yr	23 Drk charge	24 Disposition mo yr
25 Address mo yr	26 Drk charge	27 Disposition mo yr
28 Address mo yr	29 Trf charge	30 Disposition mo yr
31 Address mo yr	32 Trf charge	33 Disposition mo yr
34 Address mo yr	35 Trf charge	36 Disposition mo yr
37 Address mo yr	38 Other charge	39 Disposition mo yr
40 Address mo yr	41 Other charge	42 Disposition mo yr
43 Address mo yr	44 Other charge	45 Disposition mo yr

Initials of recorder:

Date: mo da yr

APPENDIX B

Computer Printout of Phase I Results

- - - - - - - - - - O N E W A Y - - - - - - - - - -

VARIABLE SIB006 SIB ITEM 6 RELIGIOUS PARTICIPATION

ANALYSIS OF VARIANCE

SOURCE	D.F.	SUM OF SQUARES	MEAN SQUARES	F RATIO	F PROB.
BETWEEN GROUPS	5	21.0664	4.2133	1.216	0.299
LINEAR TERM	1	20.3042	20.3042	5.861	0.015
DEV. FROM LINEAR	4	0.7622	0.1906	0.055	0.992
QUAD. TERM	1	3.4553	3.4553	0.997	0.320
DEV. FROM QUAD.	3	-2.6931	-0.8977	0.259	0.855
CUBIC TERM	1	1.0665	1.0665	0.308	0.586
DEV. FROM CUBIC	2	-3.7596	-1.8798	0.543	0.587
WITHIN GROUPS	1150	3983.7930	3.4642		
TOTAL	1155	4004.8594			

B-3

# of Arrests

GROUP	COUNT	MEAN	STANDARD DEVIATION	STANDARD ERROR	MINIMUM	MAXIMUM	95 PCT CONF INT FOR MEAN
NONE	642	3.6168	1.8751	0.0740	1.0000	6.0000	3.4715 TO 3.7621
ONE	321	3.5794	1.8373	0.1025	1.0000	6.0000	3.3777 TO 3.7812
TWO	91	3.6044	1.8849	0.1976	1.0000	6.0000	3.2118 TO 3.9969
THREE	36	3.6389	1.8229	0.3038	1.0000	6.0000	3.0221 TO 4.2557
FOUR	22	4.2273	1.7977	0.3833	1.0000	6.0000	3.4302 TO 5.0243
FIVE OR	44	4.1591	1.8419	0.2777	1.0000	6.0000	3.5991 TO 4.7191
TOTAL	1156	3.6384	1.8621	0.0548	1.0000	6.0000	3.5310 TO 3.7459

- ONE WAY -

VARIABLE R603 R603 IMPULSIVENESS SCALE

ANALYSIS OF VARIANCE

SOURCE	D.F.	SUM OF SQUARES	MEAN SQUARES	F RATIO	F PROB.
BETWEEN GROUPS	5	8.1836	1.6367	0.762	0.580
LINEAR TERM	1	2.3848	2.3848	1.110	0.293
DEV. FROM LINEAR	4	5.7988	1.4497	0.675	0.613
QUAD. TERM	1	3.2579	3.2579	1.516	0.218
DEV. FROM QUAD.	3	2.5409	0.8470	0.394	0.761
CUBIC TERM	1	0.0695	0.0695	0.032	0.835
DEV. FROM CUBIC	2	2.4714	1.2357	0.575	0.568
WITHIN GROUPS	960	2063.2812	2.1493		
TOTAL	965	2071.4648			

B-4

# of Arrests

GROUP	COUNT	MEAN	STANDARD DEVIATION	STANDARD ERROR	MINIMUM	MAXIMUM	95 PCT CONF INT FOR MEAN
NONE	538	2.5112	1.5038	0.0648	0.0	8.0000	2.3838 TO 2.6385
ONE	260	2.4577	1.3678	0.0848	0.0	7.0000	2.2907 TO 2.6247
TWO	74	2.7468	1.6231	0.1714	0.0	7.0000	2.4057 TO 3.0880
THREE	31	2.6129	1.7064	0.3065	1.0000	7.0000	1.9870 TO 3.2388
FOUR	20	2.3000	1.2183	0.2724	1.0000	5.0000	1.7298 TO 2.8702
FIVE OR	33	2.2345	1.3533	0.2196	0.0	6.0000	1.8445 TO 2.7345
TOTAL	966	2.5062	1.4651	0.0471	0.0	8.0000	2.4137 TO 2.5987

38

37

- - - -

ANOVA OF NO. ARRESTS BY PREDICTORS
FILE SAMPLE (CREATION DATE = 12/30/76) P96710.SAMPLE ON TAPE TAL506

- - - -

ANOVA OF NO. ARRESTS BY PREDICTORS
FILE SAMPLE (CREATION DATE = 12/30/76) P96710.SAMPLE ON TAPE TAL508

- ONE WAY -

VARIABLE F032 F032 EXTRA CURRICULAR PARTICIPATION

ANALYSIS OF VARIANCE

SOURCE	D.F.	SUM OF SQUARES	MEAN SQUARES	F RATIO	F PROB.
BETWEEN GROUPS	5	3463.5625	692.7124	1.833	0.102
LINEAR TERM	1	1095.1997	1095.1997	2.898	0.089
DEV. FROM LINEAR	4	2368.3628	592.0906	1.567	0.179
QUAD. TERM	1	1407.6025	1407.6025	3.725	0.051
DEV. FROM QUAD.	3	960.7603	320.2534	0.848	0.470
CUBIC TERM	1	307.6875	307.6875	0.814	0.371
DEV. FROM CUBIC	2	653.0728	326.5364	0.864	0.425
WITHIN GROUPS	1171	442497.312	377.8796		
TOTAL	1176	445960.875			

B-7

# of Arrests

GROUP	COUNT	MEAN	STANDARD DEVIATION	STANDARD ERROR	MINIMUM	MAXIMUM	95 PCT CONF INT FOR MEAN
NONE	649	21.2727	18.6367	0.7316	0.0	84.0000	19.8362 TO 22.7092
ONE	331	23.2326	19.4965	1.0716	0.0	100.0000	21.1245 TO 25.3407
TWO	92	26.0217	24.1224	2.5149	0.0	94.0000	21.0261 TO 31.0173
THREE	37	23.5946	17.3901	2.8589	0.0	57.0000	17.7964 TO 29.3927
FOUR	23	17.7826	17.6273	3.6756	0.0	60.0000	10.1600 TO 25.4052
FIVE OR	45	18.2444	22.0105	3.2811	0.0	82.0000	11.6318 TO 24.8571
TOTAL	1177	22.0841	19.4735	0.5676	0.0	100.0000	20.9704 TO 23.1978

ANOVA OF NO. ARRESTS BY PREDICTORS
FILE SAMPLE (CREATION DATE = 12/30/76) P96710.SAMPLE ON TAPE TAL508

- - - -

APPENDIX C

Computer Printout of Phase II Results

Tips for Using Appendix C

First, group 1 stands for the C's (the control group which had no arrests involving alcohol) and group 2 stands for the A's (the experimental group which had one or more arrests involving alcohol). Second, under the column headed "Variables" is an abbreviation followed by a number which identifies each of the 473 variables. The abbreviation generally stands for the name of the TALENT test that the item belongs to and the number identifies the item. For example, at the top of the first page in Appendix C we see a variable described as "INT001." The "INT" stands for Interest Inventory and "001" means that it was the first item or item 1 in that test. You can then find item 1 of the Interest Inventory in the "Project TALENT Data Bank: A Handbook" for a detailed explanation of that item. Some of the abbreviations commonly used to describe variables in Appendix D are as follows:

Abbreviation	TALENT Test or Score
INT	Interest Inventory
SIB	Student Information Blank
A 500	Decisiveness Scale derived from the preference test
R-601-609	Scales derived from the Student Activities Inventory
P701-717	Scales derived from the Interest Inventory
P801	Socioeconomic Index derived from the Student Information Blank
D802, F803, P820, P822-823, P828-829, F830, P831, P833, F835-838	Composite scores derived from the Student Information Blank

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
INT001												
GROUP 1	646	3.4644	1.151	0.045	1.21	0.019	-1.15	1170	0.251	-1.14	1072.70	0.256
GROUP 2	526	3.5456	1.268	0.055								
INT002												
GROUP 1	645	3.1783	1.119	0.044	1.11	0.211	0.10	1167	0.923	0.10	1093.33	0.923
GROUP 2	524	3.1718	1.179	0.051								
INT003												
GROUP 1	642	3.1604	1.289	0.051	1.11	0.221	-1.52	1164	0.130	-1.52	1137.56	0.128
GROUP 2	524	3.2729	1.224	0.053								
INT004												
GROUP 1	640	2.8141	1.308	0.052	1.05	0.[illegible]	-1.07	1155	0.287	-1.07	1115.39	0.285
GROUP 2	517	2.8956	1.275	0.056								
INT005												
GROUP 1	636	2.5314	1.172	0.046	1.04	0.648	0.53	1150	0.595	0.53	1092.91	0.596
GROUP 2	516	2.4942	1.195	0.053								
INT006												
GROUP 1	637	3.3171	1.205	0.048	1.09	0.312	-0.45	1149	0.650	-0.45	1077.84	0.651
GROUP 2	514	3.3502	1.257	0.055								
INT007												
GROUP 1	640	3.2719	1.251	0.049	1.08	0.339	1.12	1156	0.261	1.12	1087.21	0.264
GROUP 2	518	3.1873	1.302	0.057								

C-5

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
INT008												
GROUP 1	641	2.5585	1.415	0.056	1.29	0.002	3.63	1157	0.000	3.68	1148.59	0.000
GROUP 2	518	2.2703	1.246	0.055								
INT009												
GROUP 1	641	3.9657	1.079	0.043	1.15	0.099	1.72	1154	0.086	1.71	1066.04	0.088
GROUP 2	515	3.8524	1.156	0.051								
INT010												
GROUP 1	643	4.2384	1.002	0.039	1.26	0.006	1.54	1162	0.123	1.53	1051.84	0.128
GROUP 2	521	4.1401	1.124	0.049								
INT011												
GROUP 1	638	3.9357	1.075	0.043	1.07	0.451	1.15	1148	0.250	1.15	1079.52	0.252
GROUP 2	512	3.8613	1.110	0.049								
INT012												
GROUP 1	642	3.5592	1.258	0.050	1.08	0.352	3.88	1156	0.000	3.86	1084.12	0.000
GROUP 2	516	3.2655	1.308	0.058								
INT013												
GROUP 1	632	3.5396	1.087	0.043	1.10	0.240	1.79	1143	0.073	1.78	1071.74	0.075
GROUP 2	513	3.4211	1.141	0.050								
INT014												
GROUP 1	639	2.6166	1.129	0.045	1.05	0.588	2.19	1151	0.029	2.18	1087.96	0.029
GROUP 2	514	2.4689	1.155	0.051								

T-TEST

GROUP 1 = ARRFLAG EQ 0.
GROUP 2 = ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT015												
GROUP 1	646	2.3529	1.191	0.047	1.04	0.643	3.36	1159	0.001	3.35	1092.65	0.001
GROUP 2	515	2.1146	1.215	0.054								
INT016												
GROUP 1	639	2.9124	1.297	0.051	1.05	0.574	-1.21	1156	0.228	-1.20	1097.07	0.229
GROUP 2	519	3.0058	1.328	0.058								
INT017												
GROUP 1	641	3.1763	1.133	0.045	1.21	0.025	0.01	1152	0.990	0.01	1047.84	0.990
GROUP 2	513	3.1754	1.244	0.055								
INT018												
GROUP 1	638	3.2774	1.171	0.046	1.03	0.765	-0.05	1152	0.959	-0.05	1096.43	0.959
GROUP 2	516	3.2810	1.186	0.052								
INT019												
GROUP 1	639	3.0094	1.249	0.049	1.02	0.810	-1.85	1156	0.065	-1.85	1103.35	0.065
GROUP 2	519	3.1464	1.262	0.055								
INT020												
GROUP 1	636	2.9953	1.168	0.046	1.15	0.099	-0.42	1147	0.675	-0.42	1061.60	0.677
GROUP 2	513	3.0253	1.252	0.055								
INT021												
GROUP 1	639	3.3114	1.355	0.054	1.10	0.249	0.90	1159	0.366	0.90	1090.72	0.368
GROUP 2	522	3.2375	1.421	0.062								

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ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
INT022												
GROUP 1	635	2.3008	1.211	0.048	1.17	0.056	-1.93	1153	0.054	-1.91	1069.85	0.056
GROUP 2	520	2.4442	1.311	0.058								
INT023												
GROUP 1	639	2.3114	1.199	0.047	1.16	0.068	-0.94	1147	0.350	-0.93	1051.60	0.354
GROUP 2	510	2.3804	1.294	0.057								
INT024												
GROUP 1	639	3.7308	1.321	0.052	1.01	0.885	0.44	1155	0.663	0.44	1108.70	0.663
GROUP 2	518	3.6969	1.313	0.058								
INT025												
GROUP 1	636	3.3380	1.219	0.048	1.02	0.784	-0.66	1150	0.508	-0.66	1106.58	0.507
GROUP 2	516	3.3857	1.205	0.053								
INT026												
GROUP 1	632	3.4288	1.048	0.042	1.09	0.297	-0.02	1139	0.982	-0.02	1066.70	0.982
GROUP 2	509	3.4303	1.095	0.049								
INT027												
GROUP 1	638	2.9060	1.252	0.050	1.07	0.407	-2.49	1145	0.013	-2.48	1072.00	0.013
GROUP 2	509	3.0943	1.296	0.057								
INT028												
GROUP 1	638	2.7116	1.297	0.051	1.11	0.215	-2.42	1147	0.016	-2.40	1067.00	0.016
GROUP 2	511	2.9022	1.366	0.060								

T - T E S T

GROUP 1 - ARRELAG EQ 0.
GROUP 2 - ARRELAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT029												
GROUP 1	640	3.3438	1.190	0.047	1.09	0.318	-1.28	1145	0.201	-1.27	1064.47	0.204
GROUP 2	507	3.4359	1.241	0.055								
INT030												
GROUP 1	641	3.3885	1.191	0.047	1.15	0.097	0.48	1154	0.630	0.48	1065.82	0.633
GROUP 2	515	3.3534	1.277	0.056								
INT031												
GROUP 1	639	3.7355	1.185	0.047	1.21	0.021	1.84	1155	0.066	1.82	1056.78	0.068
GROUP 2	518	3.6004	1.305	0.057								
INT032												
GROUP 1	639	2.8138	1.285	0.051	1.16	0.083	0.62	1151	0.532	0.62	1061.93	0.535
GROUP 2	514	2.7646	1.381	0.061								
INT033												
GROUP 1	638	3.3135	1.242	0.049	1.23	0.012	1.70	1156	0.090	1.68	1056.03	0.094
GROUP 2	520	3.1827	1.379	0.060								
INT034												
GROUP 1	643	4.5941	0.833	0.033	1.50	0.000	2.18	1160	0.030	2.13	994.09	0.033
GROUP 2	519	4.4759	1.019	0.045								
INT035												
GROUP 1	631	4.6070	0.866	0.034	1.35	0.000	1.81	1148	0.070	1.79	1027.10	0.074
GROUP 2	519	4.5067	1.007	0.044								

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- T - T E S T -

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT036												
GROUP 1	642	2.3255	1.233	0.049	1.19	0.034	0.16	1160	0.873	0.16	1065.31	0.875
GROUP 2	520	2.3135	1.347	0.059								
INT037												
GROUP 1	631	3.1712	1.089	0.043	1.11	0.200	-1.19	1140	0.233	-1.19	1065.35	0.235
GROUP 2	511	3.2505	1.150	0.051								
INT038												
GROUP 1	635	3.2457	1.096	0.043	1.26	0.005	-1.35	1150	0.177	-1.34	1042.65	0.182
GROUP 2	517	3.3385	1.232	0.054								
INT039												
GROUP 1	640	2.5625	1.239	0.049	1.16	0.078	-0.45	1154	0.650	-0.45	1065.46	0.653
GROUP 2	516	2.5969	1.334	0.059								
INT040												
GROUP 1	639	2.7746	1.240	0.049	1.11	0.213	0.15	1153	0.883	0.15	1076.93	0.883
GROUP 2	516	2.7636	1.307	0.058								
INT041												
GROUP 1	636	3.5597	1.184	0.047	1.09	0.288	0.81	1148	0.420	0.80	1076.60	0.422
GROUP 2	514	3.5019	1.238	0.055								
INT042												
GROUP 1	637	2.9215	1.342	0.053	1.00	0.976	-2.20	1156	0.028	-2.20	1110.39	0.028
GROUP 2	521	3.0960	1.344	0.059								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT043												
GROUP 1	640	3.8781	1.265	0.050	1.01	0.928	-2.07	1157	0.038	-2.07	1109.79	0.038
GROUP 2	519	4.0328	1.260	0.055								
INT044												
GROUP 1	633	4.3239	1.106	0.044	1.17	0.065	-1.43	1150	0.154	-1.44	1133.37	0.150
GROUP 2	519	4.4143	1.023	0.045								
INT045												
GROUP 1	637	2.7174	1.342	0.053	1.08	0.350	-0.64	1154	0.525	-0.63	1089.16	0.527
GROUP 2	519	2.7688	1.395	0.061								
INT046												
GROUP 1	642	2.8115	1.336	0.053	1.12	0.190	-1.50	1152	0.133	-1.49	1067.70	0.135
GROUP 2	512	2.9336	1.411	0.062								
INT047												
GROUP 1	631	3.0872	1.175	0.047	1.13	0.154	-3.87	1148	0.000	-3.85	1077.99	0.000
GROUP 2	519	3.3642	1.248	0.055								
INT048												
GROUP 1	601	2.7571	1.265	0.052	1.01	0.956	-1.35	1082	0.178	-1.35	1033.47	0.177
GROUP 2	483	2.8613	1.262	0.057								
INT049												
GROUP 1	597	3.8610	1.158	0.047	1.06	0.472	-0.20	1077	0.840	-0.20	1015.85	0.840
GROUP 2	482	3.8755	1.195	0.054								

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T-TEST

GROUP 1 = ARRFLAG EQ 0.
GROUP 2 = ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT064												
GROUP 1	593	3.3642	1.118	0.046	1.08	0.372	-0.77	1077	0.443	-0.76	1019.41	0.444
GROUP 2	486	3.4177	1.161	0.053								
INT065												
GROUP 1	602	3.4120	1.209	0.049	1.02	0.784	-0.75	1081	0.453	-0.75	1023.64	0.453
GROUP 2	481	3.4678	1.223	0.056								
INT066												
GROUP 1	603	2.8474	1.431	0.058	1.01	0.922	-0.45	1088	0.650	-0.45	1038.49	0.650
GROUP 2	487	2.8871	1.436	0.065								
INT067												
GROUP 1	595	2.9412	1.339	0.055	1.04	0.680	-2.59	1076	0.010	-2.59	1023.39	0.010
GROUP 2	483	3.1553	1.363	0.062								
INT068												
GROUP 1	602	2.5482	1.367	0.056	1.07	0.432	-0.10	1085	0.920	-0.10	1021.09	0.920
GROUP 2	485	2.5567	1.414	0.064								
INT069												
GROUP 1	641	2.9314	1.316	0.052	1.12	0.188	0.54	1159	0.590	0.54	1083.52	0.593
GROUP 2	520	2.8885	1.391	0.061								
INT070												
GROUP 1	636	3.6965	1.214	0.048	1.01	0.880	-0.44	1152	0.663	-0.44	1107.98	0.663
GROUP 2	518	3.7278	1.207	0.053								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	F 2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT071												
GROUP 1	636	3.0377	1.289	0.051	1.08	0.360	-1.58	1150	0.113	-1.58	1083.63	0.115
GROUP 2	516	3.1609	1.339	0.059								
INT072												
GROUP 1	633	3.3002	1.199	0.048	1.15	0.102	1.28	1145	0.202	1.27	1063.76	0.205
GROUP 2	514	3.2062	1.284	0.057								
INT073												
GROUP 1	632	4.1155	1.125	0.045	1.02	0.855	0.36	1142	0.722	0.36	1096.64	0.722
GROUP 2	512	4.0918	1.116	0.049								
INT074												
GROUP 1	635	3.6378	1.235	0.049	1.16	0.068	3.44	1148	0.001	3.41	1061.67	0.001
GROUP 2	515	3.3767	1.333	0.059								
INT075												
GROUP 1	631	4.0539	1.031	0.041	1.42	0.000	2.00	1145	0.046	1.96	1007.04	0.050
GROUP 2	516	3.9205	1.227	0.054								
INT076												
GROUP 1	631	3.5594	1.239	0.049	1.11	0.229	2.59	1147	0.010	2.57	1080.74	0.010
GROUP 2	518	3.3649	1.303	0.057								
INT077												
GROUP 1	636	3.5833	1.245	0.049	1.15	0.094	1.64	1147	0.101	1.63	1061.06	0.104
GROUP 2	513	3.4581	1.336	0.059								

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- T - T E S T -

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT078												
GROUP 1	633	2.9858	1.394	0.055	1.06	0.490	4.10	1137	0.000	4.09	1068.44	0.000
GROUP 2	506	2.6403	1.435	0.064								
INT079												
GROUP 1	628	2.6385	1.271	0.051	1.02	0.780	0.78	1137	0.435	0.78	1085.27	0.436
GROUP 2	511	2.5871	1.286	0.057								
INT080												
GROUP 1	629	2.4849	1.327	0.053	1.07	0.398	0.25	1139	0.803	0.25	1076.22	0.803
GROUP 2	512	2.4648	1.374	0.061								
INT081												
GROUP 1	625	3.1792	1.221	0.049	1.05	0.531	-1.76	1134	0.078	-1.76	1077.95	0.079
GROUP 2	511	3.3092	1.253	0.055								
INT082												
GROUP 1	621	3.4541	1.233	0.049	1.05	0.554	-1.68	1125	0.092	-1.69	1089.62	0.092
GROUP 2	506	3.5771	1.202	0.053								
INT083												
GROUP 1	629	3.4595	1.325	0.053	1.02	0.804	0.05	1136	0.963	0.05	1082.39	0.963
GROUP 2	509	3.4558	1.339	0.059								
INT084												
GROUP 1	624	3.6795	1.330	0.053	1.02	0.786	-1.07	1127	0.284	-1.07	1083.40	0.284
GROUP 2	505	3.7644	1.315	0.058								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INTOR5												
GROUP 1	626	2.8562	1.327	0.053	1.08	0.356	-1.88	1127	0.061	-1.87	1056.71	0.062
GROUP 2	503	3.0040	1.380	0.062								
INTOR6												
GROUP 1	623	3.4125	1.258	0.050	1.04	0.663	0.32	1126	0.748	0.32	1070.01	0.749
GROUP 2	505	3.3881	1.282	0.057								
INTOR7												
GROUP 1	624	3.0128	1.387	0.056	1.00	0.995	1.16	1125	0.247	1.16	1074.95	0.247
GROUP 2	503	2.9165	1.386	0.062								
INTOR8												
GROUP 1	620	3.3742	1.204	0.048	1.01	0.948	-2.07	1116	0.039	-2.07	1065.86	0.038
GROUP 2	498	3.5241	1.200	0.054								
INTOR9												
GROUP 1	612	3.4902	1.190	0.048	1.09	0.336	-0.64	1113	0.523	-0.64	1053.78	0.525
GROUP 2	503	3.5368	1.239	0.055								
INTO90												
GROUP 1	631	2.4485	1.302	0.052	1.09	0.309	-0.34	1136	0.735	-0.34	1063.18	0.736
GROUP 2	507	2.4753	1.359	0.060								
INTO91												
GROUP 1	623	3.0658	1.401	0.056	1.01	0.918	-2.49	1123	0.013	-2.50	1074.67	0.013
GROUP 2	502	3.2749	1.394	0.062								

ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

- T - T E S T -

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT092												
GROUP 1	626	3.7332	1.264	0.048	1.12	0.190	0.25	1125	0.801	0.25	1044.23	0.802
GROUP 2	501	3.7146	1.273	0.057								
INT093												
GROUP 1	611	3.0786	1.312	0.053	1.01	0.911	0.81	1110	0.415	0.81	1065.80	0.415
GROUP 2	501	3.0140	1.318	0.059								
INT094												
GROUP 1	621	3.3011	1.321	0.053	1.03	0.696	3.10	1124	0.002	3.10	1070.45	0.002
GROUP 2	505	3.0535	1.343	0.060								
INT095												
GROUP 1	616	4.0260	1.037	0.042	1.28	0.004	1.43	1108	0.154	1.41	992.60	0.159
GROUP 2	494	3.9312	1.172	0.053								
INT096												
GROUP 1	621	3.3011	1.276	0.051	1.05	0.559	0.99	1123	0.320	0.99	1064.82	0.321
GROUP 2	504	3.2242	1.307	0.058								
INT097												
GROUP 1	610	3.8459	1.085	0.044	1.24	0.011	1.81	1106	0.070	1.79	1008.89	0.074
GROUP 2	498	3.7209	1.210	0.054								
INT098												
GROUP 1	615	3.2098	1.332	0.054	1.15	0.103	0.85	1109	0.395	0.84	10[illegible].24	0.399
GROUP 2	496	3.1391	1.426	0.064								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT099												
GROUP 1	608	4.4934	1.116	0.045	1.10	0.259	1.34	1095	0.182	1.33	1022.54	0.184
GROUP 2	489	4.4008	1.171	0.053								
INT100												
GROUP 1	626	2.1022	1.280	0.051	1.11	0.201	-0.28	1130	0.776	-0.28	1054.97	0.778
GROUP 2	506	2.1245	1.351	0.060								
INT101												
GROUP 1	619	2.8756	1.286	0.052	1.20	0.032	-0.40	1117	0.688	-0.40	1022.69	0.691
GROUP 2	500	2.9080	1.408	0.063								
INT102												
GROUP 1	623	3.0321	1.315	0.053	1.07	0.417	0.15	1122	0.880	0.15	1054.74	0.880
GROUP 2	501	3.0200	1.361	0.061								
INT103												
GROUP 1	614	3.3876	1.290	0.052	1.03	0.741	-0.76	1114	0.448	-0.76	1076.07	0.447
GROUP 2	502	3.4462	1.272	0.057								
INT104												
GROUP 1	620	3.3952	1.391	0.056	1.04	0.684	-1.14	1112	0.256	-1.14	1064.84	0.255
GROUP 2	494	3.4899	1.367	0.062								
INT105												
GROUP 1	612	3.8873	1.267	0.051	1.07	0.422	1.55	1107	0.121	1.55	1045.47	0.122
GROUP 2	497	3.7666	1.311	0.059								

T - T E S T

GROUP 1 - ARRELAG EQ 0.
GROUP 2 - ARRELAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	F 2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT106												
GROUP 1	617	3.3793	1.444	0.058	1.06	0.487	1.16	1116	0.248	1.15	1056.18	0.249
GROUP 2	501	3.2774	1.488	0.066								
INT107												
GROUP 1	615	3.1285	1.408	0.057	1.01	0.930	1.02	1115	0.307	1.02	1069.12	0.308
GROUP 2	502	3.0418	1.413	0.063								
INT108												
GROUP 1	620	3.1661	1.428	0.057	1.02	0.812	-0.42	1119	0.678	-0.42	1074.49	0.678
GROUP 2	501	3.2016	1.413	0.063								
INT109												
GROUP 1	617	3.6613	1.313	0.053	1.05	0.529	-0.99	1109	0.321	-0.99	1044.01	0.323
GROUP 2	494	3.7409	1.349	0.061								
INT110												
GROUP 1	613	3.0522	1.267	0.051	1.20	0.035	-1.36	1108	0.173	-1.35	1017.20	0.177
GROUP 2	497	3.1610	1.386	0.062								
INT111												
GROUP 1	619	3.5832	1.373	0.055	1.17	0.068	0.39	1117	0.698	0.38	1030.17	0.700
GROUP 2	500	3.5500	1.483	0.066								
INT112												
GROUP 1	618	3.2913	1.320	0.053	1.06	0.463	-0.39	1112	0.698	-0.39	1045.89	0.699
GROUP 2	496	3.3226	1.362	0.061								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT134												
GROUP 1	618	3.5809	1.271	0.051	1.14	0.121	1.68	1111	0.094	1.66	1026.10	0.097
GROUP 2	495	3.4485	1.358	0.061								
INT135												
GROUP 1	615	2.1398	1.275	0.051	1.12	0.192	-0.39	1106	0.699	-0.38	1027.39	0.701
GROUP 2	493	2.1704	1.348	0.061								
INT136												
GROUP 1	611	3.0622	1.411	0.057	1.09	0.337	-0.61	1102	0.539	-0.61	1034.36	0.541
GROUP 2	493	3.1156	1.469	0.066								
INT137												
GROUP 1	611	3.3142	1.256	0.051	1.05	0.581	-1.12	1093	0.262	-1.12	1025.22	0.264
GROUP 2	484	3.4008	1.286	0.058								
INT138												
GROUP 1	607	2.1153	1.202	0.049	1.12	0.197	-1.50	1087	0.134	-1.49	1004.78	0.136
GROUP 2	482	2.2282	1.271	0.058								
INT139												
GROUP 1	614	2.0440	1.191	0.048	1.20	0.031	-0.13	1096	0.897	-0.13	988.79	0.899
GROUP 2	484	2.0537	1.307	0.059								
INT140												
GROUP 1	608	2.5444	1.220	0.049	1.24	0.013	-2.19	1085	0.029	-2.16	970.06	0.031
GROUP 2	479	2.7161	1.358	0.062								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT141												
GROUP 1	606	2.9851	1.388	0.056	1.04	0.655	0.51	1084	0.611	0.51	1018.85	0.612
GROUP 2	480	2.9417	1.414	0.065								
INT142												
GROUP 1	606	2.2178	1.111	0.045	1.34	0.001	-1.22	1080	0.224	-1.20	940.78	0.232
GROUP 2	476	2.3067	1.287	0.059								
INT143												
GROUP 1	595	3.1378	1.365	0.056	1.13	0.173	-1.90	1067	0.058	-1.89	986.14	0.060
GROUP 2	474	3.3017	1.448	0.067								
INT144												
GROUP 1	601	3.3960	1.196	0.049	1.22	0.024	-0.51	1065	0.608	-0.51	948.19	0.612
GROUP 2	466	3.4356	1.319	0.061								
INT145												
GROUP 1	586	4.3294	1.044	0.043	1.31	0.002	3.48	1041	0.001	3.43	909.51	0.001
GROUP 2	457	4.0875	1.194	0.056								
INT146												
GROUP 1	584	3.5634	1.311	0.054	1.03	0.717	-1.24	1037	0.214	-1.24	968.36	0.215
GROUP 2	455	3.6659	1.332	0.062								
INT147												
GROUP 1	596	2.7215	1.296	0.053	1.09	0.332	-0.20	1055	0.845	-0.19	968.13	0.846
GROUP 2	461	2.7375	1.352	0.063								

ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT148												
GROUP 1	595	2.9983	1.285	0.053	1.10	0.288	-0.77	1051	0.441	-0.77	959.67	0.444
GROUP 2	458	3.0611	1.346	0.063								
INT149												
GROUP 1	597	2.9497	1.399	0.057	1.03	0.764	1.19	1056	0.235	1.19	983.06	0.235
GROUP 2	461	2.8460	1.417	0.066								
INT150												
GROUP 1	583	3.9348	1.293	0.054	1.23	0.020	1.65	1040	0.099	1.63	932.05	0.104
GROUP 2	459	3.7952	1.433	0.067								
INT151												
GROUP 1	585	2.6974	1.377	0.057	1.11	0.253	0.38	1041	0.702	0.38	957.60	0.703
GROUP 2	458	2.6638	1.448	0.068								
INT152												
GROUP 1	595	1.8504	1.107	0.045	1.06	0.539	-0.59	1054	0.554	-0.59	976.04	0.556
GROUP 2	461	1.8915	1.137	0.053								
INT153												
GROUP 1	602	2.0233	1.175	0.048	1.22	0.021	-0.96	1054	0.336	-0.95	919.84	0.343
GROUP 2	454	2.0969	1.300	0.061								
INT154												
GROUP 1	591	3.6003	1.235	0.051	1.03	0.760	-1.58	1048	0.115	-1.57	974.49	0.116
GROUP 2	457	3.7221	1.251	0.059								

- T - T E S T -

GROUP 1 - ARRELAG EQ 0.
GROUP 2 - ARRELAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	F 2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT155												
GROUP 1	585	4.1504	1.249	0.052	1.02	0.811	0.81	1024	0.417	0.81	942.45	0.418
GROUP 2	441	4.0862	1.262	0.060								
INT156												
GROUP 1	575	3.7183	1.357	0.057	1.12	0.211	0.70	1022	0.485	0.69	936.15	0.488
GROUP 2	449	3.6570	1.434	0.068								
INT157												
GROUP 1	588	2.0374	1.249	0.051	1.03	0.718	0.33	1035	0.739	0.33	956.51	0.739
GROUP 2	449	2.0111	1.269	0.060								
INT158												
GROUP 1	585	2.4769	1.342	0.055	1.06	0.541	0.89	1028	0.371	0.90	968.73	0.369
GROUP 2	445	2.4022	1.306	0.062								
INT159												
GROUP 1	584	2.8818	1.384	0.057	1.04	0.627	-1.19	1023	0.236	-1.18	936.83	0.237
GROUP 2	441	2.9864	1.414	0.067								
INT160												
GROUP 1	589	3.2003	1.291	0.053	1.06	0.493	0.56	1028	0.576	0.56	932.19	0.577
GROUP 2	441	3.1542	1.331	0.063								
INT161												
GROUP 1	583	3.2161	1.299	0.054	1.00	0.981	-1.58	1017	0.114	-1.58	937.79	0.114
GROUP 2	436	3.3463	1.298	0.062								

ARREST VS NO ARREST T-TEST ON 46M PREDICTIONS

FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT169												
GROUP 1	585	2.6769	1.230	0.051	1.11	0.248	1.69	1015	0.090	1.68	901.28	0.093
GROUP 2	432	2.5417	1.295	0.062								
INT170												
GROUP 1	583	2.7993	1.232	0.051	1.16	0.106	0.85	1007	0.393	0.84	876.34	0.398
GROUP 2	426	2.7300	1.325	0.064								
INT171												
GROUP 1	581	2.8709	1.290	0.054	1.05	0.544	-0.43	1007	0.668	-0.43	906.75	0.669
GROUP 2	428	2.9065	1.324	0.064								
INT172												
GROUP 1	578	3.3512	1.228	0.051	1.17	0.079	1.20	1001	0.232	1.18	871.16	0.238
GROUP 2	425	3.2541	1.329	0.064								
INT173												
GROUP 1	589	2.6503	1.308	0.054	1.11	0.252	0.35	1006	0.728	0.34	871.51	0.730
GROUP 2	419	2.6205	1.377	0.067								
INT174												
GROUP 1	576	3.1528	1.377	0.057	1.12	0.194	0.11	993	0.916	0.10	869.30	0.917
GROUP 2	419	3.1432	1.460	0.071								
INT175												
GROUP 1	570	2.7211	1.423	0.060	1.02	0.873	1.05	987	0.295	1.05	904.56	0.294
GROUP 2	419	2.6253	1.413	0.069								

ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

T - T E S T

GROUP 1 - ARRFLAG FU 0.
GROUP 2 - ARRFLAG FU 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT176												
GROUP 1	570	3.2965	1.341	0.056	1.08	0.392	-0.40	984	0.689	-0.40	874.06	0.690
GROUP 2	416	3.3317	1.394	0.068								
INT177												
GROUP 1	571	3.2504	1.324	0.055	1.18	0.068	0.11	988	0.915	0.10	856.59	0.916
GROUP 2	419	3.2410	1.438	0.070								
INT178												
GROUP 1	565	2.4301	1.194	0.050	1.19	0.058	-0.19	983	0.850	-0.19	857.99	0.852
GROUP 2	420	2.4452	1.301	0.064								
INT179												
GROUP 1	563	3.3304	1.267	0.053	1.20	0.049	0.24	977	0.812	0.23	847.39	0.815
GROUP 2	416	3.3101	1.386	0.068								
INT180												
GROUP 1	562	3.0712	1.431	0.060	1.01	0.922	-2.71	980	0.007	-2.70	900.66	0.007
GROUP 2	420	3.3214	1.437	0.070								
INT181												
GROUP 1	561	2.9643	1.301	0.055	1.17	0.088	-0.41	974	0.683	-0.40	851.85	0.688
GROUP 2	415	3.0000	1.406	0.069								
INT182												
GROUP 1	566	1.8110	1.166	0.049	1.15	0.125	-0.06	981	0.955	-0.06	859.97	0.955
GROUP 2	417	1.8153	1.251	0.061								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INTIA3												
GROUP 1	555	3.0126	1.249	0.053	1.13	0.168	0.76	965	0.447	0.75	853.69	0.451
GROUP 2	412	2.9490	1.331	0.066								
INTIA4												
GROUP 1	551	3.3539	1.259	0.054	1.08	0.400	-1.66	959	0.097	-1.65	862.28	0.099
GROUP 2	410	3.4927	1.309	0.065								
INTIA5												
GROUP 1	554	3.5469	1.298	0.055	1.05	0.581	-0.38	959	0.701	-0.38	862.35	0.702
GROUP 2	407	3.5799	1.331	0.066								
INTIA6												
GROUP 1	552	2.9366	1.370	0.058	1.05	0.601	-1.03	962	0.305	-1.02	873.93	0.307
GROUP 2	412	3.0291	1.404	0.069								
INTIA7												
GROUP 1	539	3.5250	1.426	0.061	1.15	0.132	0.58	942	0.563	0.57	836.37	0.567
GROUP 2	405	3.4691	1.529	0.076								
INTIA8												
GROUP 1	543	1.9669	1.252	0.054	1.17	0.092	0.65	942	0.518	0.65	896.36	0.513
GROUP 2	401	1.9152	1.157	0.058								
INTIA9												
GROUP 1	537	1.9181	1.213	0.052	1.01	0.925	0.23	934	0.819	0.23	859.76	0.819
GROUP 2	399	1.8997	1.207	0.060								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
INT190												
GROUP 1	536	3.1679	1.372	0.059	1.04	0.659	-0.11	932	0.909	-0.11	845.79	0.909
GROUP 2	398	3.1784	1.400	0.070								
INT191												
GROUP 1	532	3.2876	1.237	0.054	1.20	0.053	0.81	929	0.415	0.80	813.37	0.421
GROUP 2	399	3.2180	1.354	0.068								
INT192												
GROUP 1	534	3.0019	1.346	0.058	1.00	0.962	0.65	924	0.517	0.65	841.69	0.518
GROUP 2	392	2.9439	1.348	0.068								
INT193												
GROUP 1	534	3.2154	1.318	0.057	1.03	0.779	0.08	931	0.933	0.08	851.50	0.933
GROUP 2	399	3.2080	1.335	0.067								
INT194												
GROUP 1	535	3.0598	1.207	0.052	1.22	0.031	-1.19	927	0.233	-1.18	796.08	0.240
GROUP 2	394	3.1599	1.335	0.067								
INT195												
GROUP 1	532	3.2462	1.276	0.055	1.12	0.230	0.26	923	0.798	0.25	817.44	0.799
GROUP 2	393	3.2239	1.350	0.068								
INT196												
GROUP 1	521	2.5662	1.256	0.055	1.11	0.260	-0.55	912	0.584	-0.54	819.87	0.587
GROUP 2	393	2.6132	1.324	0.067								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT197												
GROUP 1	521	3.7198	1.305	0.057	1.12	0.230	1.16	907	0.248	1.15	807.16	0.251
GROUP 2	388	3.6160	1.381	0.070								
INT198												
GROUP 1	519	3.1811	1.426	0.063	1.00	0.975	0.03	905	0.973	0.03	833.20	0.973
GROUP 2	388	3.1778	1.428	0.072								
INT199												
GROUP 1	515	3.1049	1.257	0.055	1.14	0.173	-1.40	896	0.162	-1.39	792.72	0.166
GROUP 2	383	3.2272	1.341	0.069								
INT200												
GROUP 1	510	2.9353	1.390	0.062	1.06	0.548	-0.54	891	0.587	-0.54	810.20	0.589
GROUP 2	383	2.9869	1.430	0.073								
INT201												
GROUP 1	510	2.0608	1.126	0.050	1.38	0.001	-3.11	891	0.002	-3.04	745.01	0.002
GROUP 2	383	2.3159	1.323	0.068								
INT202												
GROUP 1	506	2.6304	1.294	0.058	1.09	0.374	0.56	885	0.573	0.56	799.65	0.576
GROUP 2	381	2.5801	1.350	0.069								
INT203												
GROUP 1	518	2.0888	1.296	0.057	1.04	0.667	0.05	905	0.964	0.05	826.76	0.964
GROUP 2	389	2.0848	1.322	0.067								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
INT204												
GROUP 1	505	3.1248	1.290	0.057	1.06	0.448	-0.42	885	0.673	-0.42	804.65	0.674
GROUP 2	382	3.1623	1.338	0.068								
INT205												
GROUP 1	501	3.4750	1.396	0.062	1.06	0.521	0.07	875	0.943	0.07	794.54	0.943
GROUP 2	376	3.4681	1.440	0.074								
SIR001												
GROUP 1	646	5.2910	1.455	0.057	1.15	0.094	2.36	1167	0.018	2.35	1082.04	0.019
GROUP 2	523	5.0822	1.559	0.068								
SIR002												
GROUP 1	642	4.7926	1.691	0.064	1.04	0.659	0.38	1158	0.706	0.38	1114.86	0.705
GROUP 2	518	4.7568	1.601	0.070								
SIR003												
GROUP 1	641	4.8097	1.733	0.068	1.16	0.084	-0.94	1157	0.345	-0.95	1134.46	0.341
GROUP 2	518	4.9035	1.612	0.071								
SIR004												
GROUP 1	640	4.5922	1.842	0.073	1.06	0.499	2.10	1154	0.036	2.09	1089.23	0.037
GROUP 2	516	4.3605	1.895	0.083								
SIR005												
GROUP 1	640	5.2250	1.482	0.059	1.05	0.531	1.08	1156	0.281	1.08	1094.08	0.282
GROUP 2	518	5.1293	1.521	0.067								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIR007												
GROUP 1	637	4.2794	1.853	0.073	1.01	0.915	0.93	1147	0.354	0.93	1096.56	0.354
GROUP 2	512	4.1777	1.845	0.082								
SIR008												
GROUP 1	635	5.5591	1.160	0.046	1.56	0.000	4.09	1148	0.000	4.00	974.85	0.000
GROUP 2	515	5.2447	1.446	0.064								
SIR009												
GROUP 1	637	5.0188	1.649	0.065	1.10	0.260	1.51	1149	0.131	1.51	1075.36	0.133
GROUP 2	514	4.8677	1.729	0.076								
SIR010												
GROUP 1	633	5.3333	1.472	0.058	1.20	0.032	2.49	1142	0.013	2.47	1045.91	0.014
GROUP 2	511	5.1057	1.610	0.071								
SIR011												
GROUP 1	640	2.3406	1.622	0.064	1.01	0.933	-0.63	1157	0.531	-0.63	1106.55	0.531
GROUP 2	519	2.4008	1.628	0.071								
SIR012												
GROUP 1	643	2.7107	1.655	0.065	1.03	0.759	1.30	1162	0.195	1.30	1106.70	0.196
GROUP 2	521	2.5835	1.676	0.073								
SIR013												
GROUP 1	635	2.0677	1.638	0.065	1.22	0.019	-3.07	1149	0.002	-3.04	1051.38	0.002
GROUP 2	516	2.3798	1.803	0.080								

- T - T E S T -

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIB014												
GROUP 1	639	3.4476	1.315	0.052	1.10	0.247	0.48	1150	0.632	0.48	1072.88	0.634
GROUP 2	513	3.4094	1.381	0.061								
SIB015												
GROUP 1	639	3.8858	1.264	0.050	1.05	0.584	0.43	1149	0.670	0.42	1084.00	0.671
GROUP 2	512	3.8535	1.293	0.057								
SIB016												
GROUP 1	637	3.5118	1.398	0.055	1.08	0.367	-1.54	1145	0.125	-1.54	1107.11	0.123
GROUP 2	510	3.6373	1.346	0.060								
SIB017												
GROUP 1	631	2.9952	1.429	0.057	1.05	0.543	-0.85	1142	0.396	-0.85	1083.24	0.397
GROUP 2	513	3.0682	1.466	0.065								
SIB018												
GROUP 1	573	4.0960	1.178	0.049	1.15	0.121	0.81	1033	0.420	0.80	956.23	0.423
GROUP 2	462	4.0346	1.261	0.059								
SIB019												
GROUP 1	570	4.0895	1.131	0.047	1.02	0.801	0.13	1029	0.897	0.13	979.92	0.897
GROUP 2	461	4.0803	1.144	0.053								
SIB020												
GROUP 1	566	3.7085	1.270	0.053	1.03	0.755	-0.49	1020	0.625	-0.49	968.59	0.625
GROUP 2	456	3.7478	1.287	0.060								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIH021												
GROUP 1	567	3.5944	1.266	0.053	1.08	0.382	1.26	1024	0.208	1.26	963.67	0.210
GROUP 2	459	3.4924	1.316	0.061								
SIH022												
GROUP 1	568	3.8926	1.223	0.051	1.12	0.192	1.90	1024	0.057	1.89	953.02	0.059
GROUP 2	458	3.7424	1.296	0.061								
SIH023												
GROUP 1	565	3.3168	1.436	0.060	1.00	0.984	1.01	1020	0.311	1.01	976.24	0.311
GROUP 2	457	3.2254	1.434	0.067								
SIH024												
GROUP 1	568	2.7852	1.427	0.060	1.05	0.574	-1.56	1024	0.119	-1.57	988.03	0.118
GROUP 2	458	2.9236	1.391	0.065								
SIH025												
GROUP 1	564	4.4876	1.005	0.042	1.27	0.007	1.55	1018	0.122	1.53	918.07	0.126
GROUP 2	456	4.3838	1.133	0.053								
SIH026												
GROUP 1	564	3.4610	1.355	0.057	1.01	0.946	-0.67	1015	0.500	-0.67	967.04	0.500
GROUP 2	453	3.5188	1.359	0.064								
SIH027												
GROUP 1	565	1.8071	1.124	0.047	1.29	0.004	-1.98	1020	0.048	-1.96	915.05	0.051
GROUP 2	457	1.9562	1.278	0.060								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIH028												
GROUP 1	566	3.3463	1.344	0.056	1.01	0.941	-0.44	1020	0.657	-0.44	975.62	0.657
GROUP 2	456	3.3838	1.339	0.063								
SIH029												
GROUP 1	568	2.2641	1.277	0.054	1.07	0.461	-0.58	1022	0.562	-0.58	960.71	0.563
GROUP 2	456	2.3114	1.319	0.062								
SIH030												
GROUP 1	568	3.9718	1.527	0.064	1.06	0.517	-1.66	1026	0.098	-1.65	970.17	0.099
GROUP 2	460	4.1326	1.571	0.073								
SIH031												
GROUP 1	569	2.3357	1.395	0.058	1.04	0.695	-1.20	1022	0.230	-1.20	965.71	0.231
GROUP 2	455	2.4418	1.419	0.067								
SIH032												
GROUP 1	569	3.1933	1.632	0.068	1.08	0.408	0.77	1026	0.440	0.78	994.29	0.438
GROUP 2	459	3.1155	1.573	0.073								
SIH033												
GROUP 1	569	2.6608	1.486	0.062	1.02	0.798	-3.29	1019	0.001	-3.29	972.20	0.001
GROUP 2	452	2.9668	1.468	0.069								
SIH034												
GROUP 1	571	3.1576	1.358	0.057	1.01	0.869	0.52	1029	0.602	0.52	980.13	0.602
GROUP 2	460	3.1130	1.367	0.064								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIR035												
GROUP 1	637	2.9419	1.094	0.043	1.01	0.924	0.42	1152	0.676	0.42	1105.45	0.676
GROUP 2	517	2.9149	1.089	0.048								
SIR036												
GROUP 1	540	2.6344	1.527	0.060	1.12	0.164	-3.58	1153	0.000	-3.56	1071.83	0.000
GROUP 2	515	2.9670	1.618	0.071								
SIR037												
GROUP 1	632	2.3829	1.614	0.064	1.08	0.387	-1.08	1144	0.280	-1.08	1080.16	0.281
GROUP 2	514	2.4883	1.673	0.074								
SIR038												
GROUP 1	630	2.5365	1.345	0.054	1.05	0.562	-1.19	1135	0.234	-1.19	1072.21	0.235
GROUP 2	507	2.6331	1.379	0.061								
SIR039												
GROUP 1	638	4.4812	0.925	0.037	1.55	0.000	3.39	1148	0.001	3.31	967.98	0.001
GROUP 2	512	4.2734	1.153	0.051								
SIR040												
GROUP 1	626	3.7188	1.415	0.057	1.01	0.897	0.34	1134	0.734	0.34	1090.43	0.733
GROUP 2	510	3.6902	1.407	0.062								
SIR041												
GROUP 1	633	4.6935	0.770	0.031	1.90	0.000	3.37	1140	0.001	3.26	899.92	0.001
GROUP 2	509	4.5108	1.060	0.047								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIH042												
GROUP 1	624	4.6763	0.800	0.032	1.83	0.000	4.05	1129	0.000	3.93	909.97	0.000
GROUP 2	507	4.4497	1.081	0.048								
SIH043												
GROUP 1	630	3.9778	1.365	0.054	1.10	0.268	2.91	1136	0.004	2.89	1063.08	0.004
GROUP 2	508	3.7362	1.430	0.063								
SIH044												
GROUP 1	630	4.1238	1.260	0.050	1.08	0.342	2.31	1130	0.021	2.30	1054.57	0.021
GROUP 2	502	3.9462	1.311	0.059								
SIH045												
GROUP 1	627	4.4609	1.069	0.043	1.29	0.003	3.01	1131	0.003	2.97	1015.17	0.003
GROUP 2	506	4.2569	1.213	0.054								
SIH046												
GROUP 1	627	2.7273	1.409	0.056	1.09	0.303	0.49	1129	0.622	0.50	1095.36	0.620
GROUP 2	504	2.6865	1.348	0.060								
SIH047												
GROUP 1	629	2.4849	1.686	0.067	1.08	0.357	-1.41	1129	0.159	-1.40	1055.12	0.161
GROUP 2	502	2.6295	1.753	0.078								
SIH048												
GROUP 1	629	2.8792	1.612	0.064	1.04	0.669	-2.00	1123	0.046	-2.00	1053.84	0.046
GROUP 2	496	3.0746	1.642	0.074								

T-TEST

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIR049												
GROUP 1	627	3.1276	1.747	0.070	1.03	0.744	-1.60	1116	0.109	-1.60	1045.86	0.110
GROUP 2	491	3.2974	1.771	0.080								
SIR050												
GROUP 1	624	2.1587	1.455	0.058	1.26	0.006	-4.72	1116	0.000	-4.65	995.64	0.000
GROUP 2	494	2.5951	1.634	0.074								
SIR051												
GROUP 1	633	2.8657	1.810	0.072	1.20	0.033	2.52	1133	0.012	2.54	1110.63	0.011
GROUP 2	502	2.6036	1.654	0.074								
SIR052												
GROUP 1	626	2.1374	1.184	0.047	1.23	0.015	-3.82	1127	0.000	-3.77	1022.17	0.000
GROUP 2	503	2.4215	1.312	0.059								
SIR053												
GROUP 1	632	4.7785	1.450	0.058	1.13	0.140	-2.70	1136	0.007	-2.72	1107.50	0.007
GROUP 2	506	5.0059	1.362	0.061								
SIR054												
GROUP 1	633	2.0095	1.404	0.056	1.19	0.042	-4.29	1133	0.000	-4.25	1029.62	0.000
GROUP 2	502	2.3845	1.530	0.068								
SIR055												
GROUP 1	624	3.4071	1.480	0.059	1.05	0.588	-6.73	1125	0.000	-6.71	1064.30	0.000
GROUP 2	503	4.0099	1.514	0.068								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIR056												
GROUP 1	629	3.0270	1.583	0.063	1.08	0.378	-0.36	1132	0.721	-0.36	1061.88	0.722
GROUP 2	505	3.0614	1.643	0.073								
SIR057												
GROUP 1	517	3.5706	1.911	0.084	1.01	0.956	-0.80	951	0.425	-0.80	924.85	0.425
GROUP 2	436	3.6697	1.906	0.091								
SIR058												
GROUP 1	626	2.9073	1.805	0.072	1.06	0.529	-1.[illegible]	1122	0.268	-1.11	1077.74	0.266
GROUP 2	498	3.0261	1.757	0.079								
SIR059												
GROUP 1	616	2.3393	1.632	0.066	1.05	0.585	-1.28	1107	0.202	-1.27	1043.64	0.203
GROUP 2	493	2.4665	1.670	0.075								
SIR060												
GROUP 1	622	2.1270	1.576	0.063	1.01	0.931	-1.76	1117	0.079	-1.75	1061.56	0.080
GROUP 2	497	2.2938	1.582	0.071								
SIR061												
GROUP 1	611	2.6121	1.747	0.071	1.06	0.512	-0.60	1090	0.546	-0.61	1043.26	0.544
GROUP 2	481	2.6757	1.698	0.077								
SIR062												
GROUP 1	619	2.7027	1.724	0.069	1.07	0.426	-1.62	1103	0.106	-1.61	1024.76	0.107
GROUP 2	486	2.8745	1.784	0.081								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIH070												
GROUP 1	621	3.4461	1.138	0.046	1.11	0.216	3.59	1106	0.000	3.56	1016.98	0.000
GROUP 2	487	3.1930	1.200	0.054								
SIH071												
GROUP 1	625	3.2016	1.230	0.049	1.11	0.213	3.41	1120	0.001	3.38	1037.52	0.001
GROUP 2	497	2.9437	1.297	0.058								
SIH072												
GROUP 1	622	2.5932	1.307	0.052	1.02	0.818	0.49	1114	0.626	0.49	1052.98	0.626
GROUP 2	494	2.5547	1.319	0.059								
SIH073												
GROUP 1	621	3.4428	1.212	0.049	1.04	0.642	3.62	1113	0.000	3.61	1048.01	0.000
GROUP 2	494	3.1761	1.236	0.056								
SIH074												
GROUP 1	620	3.1855	1.199	0.048	1.01	0.875	1.89	1114	0.059	1.89	1057.88	0.059
GROUP 2	496	3.0484	1.207	0.054								
SIH075												
GROUP 1	622	3.3891	1.081	0.043	1.22	0.022	3.34	1111	0.001	3.30	1000.18	0.001
GROUP 2	491	3.1604	1.192	0.054								
SIH076												
GROUP 1	616	3.6899	1.051	0.042	1.30	0.002	6.05	1109	0.000	5.97	989.66	0.000
GROUP 2	495	3.2808	1.199	0.054								

T - T E S T

GROUP 1 - ARRELAG EQ 0.
GROUP 2 - ARRELAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIR077												
GROUP 1	622	3.9260	1.174	0.047	1.09	0.297	4.12	1119	0.000	4.10	1045.75	0.000
GROUP 2	499	3.6293	1.228	0.055								
SIR078												
GROUP 1	619	3.1292	1.292	0.052	1.05	0.543	3.59	1112	0.000	3.58	1046.70	0.000
GROUP 2	495	2.8465	1.326	0.060								
SIR079												
GROUP 1	626	3.2125	1.274	0.051	1.07	0.415	2.57	1117	0.010	2.56	1039.12	0.011
GROUP 2	493	3.0122	1.319	0.059								
SIR080												
GROUP 1	626	3.4760	1.096	0.044	1.20	0.030	5.31	1119	0.000	5.25	1011.60	0.000
GROUP 2	495	3.1111	1.201	0.054								
SIR081												
GROUP 1	630	3.7063	1.054	0.042	1.23	0.013	4.05	1122	0.000	4.00	1001.70	0.000
GROUP 2	494	3.4372	1.171	0.053								
SIR082												
GROUP 1	628	3.5271	1.129	0.045	1.21	0.025	2.89	1125	0.004	2.86	1018.24	0.004
GROUP 2	499	3.3226	1.241	0.056								
SIR083												
GROUP 1	632	3.8259	1.253	0.050	1.07	0.435	3.12	1133	0.002	3.11	1060.48	0.002
GROUP 2	503	3.5885	1.295	0.058								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIH084												
GROUP 1	612	3.0343	1.359	0.055	1.01	0.884	2.73	1117	0.006	2.73	1076.19	0.006
GROUP 2	507	2.8107	1.367	0.061								
SIH085												
GROUP 1	598	3.3612	1.389	0.057	1.13	0.168	2.20	1098	0.028	2.21	1083.42	0.027
GROUP 2	502	3.1813	1.309	0.058								
SIH086												
GROUP 1	604	3.4851	1.122	0.046	1.17	0.061	2.38	1100	0.017	2.36	1024.11	0.018
GROUP 2	498	3.3173	1.215	0.054								
SIH087												
GROUP 1	602	3.3073	1.131	0.046	1.19	0.042	2.19	1092	0.029	2.17	1008.40	0.030
GROUP 2	492	3.1504	1.233	0.056								
SIH088												
GROUP 1	605	3.5273	1.109	0.045	1.11	0.219	3.52	1098	0.000	3.50	1031.87	0.000
GROUP 2	495	3.2848	1.169	0.053								
SIH089												
GROUP 1	597	3.4858	1.146	0.047	1.19	0.045	3.78	1088	0.000	3.75	1010.60	0.000
GROUP 2	493	3.2110	1.249	0.056								
SIH090												
GROUP 1	593	3.6307	1.173	0.048	1.14	0.119	3.07	1088	0.002	3.06	1027.28	0.002
GROUP 2	497	3.4044	1.254	0.056								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIR091												
GROUP 1	594	2.6431	1.531	0.063	1.10	0.263	-4.08	1084	0.000	-4.06	1026.58	0.000
GROUP 2	492	3.0325	1.607	0.072								
SIR092												
GROUP 1	610	2.6787	1.746	0.071	1.00	0.988	-1.92	1116	0.055	-1.92	1079.48	0.055
GROUP 2	508	2.8799	1.747	0.078								
SIR093												
GROUP 1	610	3.0344	1.974	0.080	1.07	0.412	-0.86	1111	0.389	-0.86	1083.85	0.388
GROUP 2	503	3.1352	1.906	0.085								
SIR094												
GROUP 1	609	2.8309	0.743	0.030	1.39	0.000	-1.62	1115	0.105	-1.60	997.66	0.110
GROUP 2	508	2.9094	0.877	0.039								
SIR095												
GROUP 1	608	1.3750	1.008	0.041	1.64	0.000	-4.62	1109	0.000	-4.52	939.15	0.000
GROUP 2	503	1.6938	1.290	0.058								
SIR096												
GROUP 1	603	2.6832	1.238	0.050	1.43	0.000	-4.85	1104	0.000	-4.77	980.11	0.000
GROUP 2	503	3.0795	1.481	0.066								
SIR097												
GROUP 1	604	3.1159	1.183	0.048	1.19	0.037	2.80	1111	0.005	2.78	1041.25	0.005
GROUP 2	509	2.9077	1.293	0.057								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIH098												
GROUP 1	571	2.5604	1.316	0.055	1.09	0.327	1.89	1037	0.059	1.90	1012.36	0.058
GROUP 2	468	2.4081	1.260	0.058								
SIH099												
GROUP 1	561	1.7166	1.118	0.047	1.28	0.006	-0.90	1012	0.371	-0.88	910.02	0.377
GROUP 2	453	1.7837	1.265	0.059								
SIP100												
GROUP 1	563	2.4192	1.277	0.054	1.18	0.062	-1.55	1030	0.121	-1.54	962.80	0.124
GROUP 2	469	2.5480	1.387	0.064								
SIR101												
GROUP 1	564	3.1259	1.599	0.067	1.06	0.496	1.42	1018	0.156	1.43	985.11	0.154
GROUP 2	456	2.9846	1.551	0.073								
SIR102												
GROUP 1	553	1.7089	1.089	0.046	1.42	0.000	-3.45	1011	0.001	-3.39	897.97	0.001
GROUP 2	460	1.9674	1.297	0.060								
SIR103												
GROUP 1	561	1.9073	1.174	0.050	1.33	0.001	-3.34	1019	0.001	-3.29	913.66	0.001
GROUP 2	460	2.1717	1.356	0.063								
SIH104												
GROUP 1	561	2.5365	1.414	0.060	1.08	0.381	0.86	1015	0.389	0.86	956.93	0.391
GROUP 2	456	2.4583	1.470	0.069								

- T - T E S T -

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIR105												
GROUP 1	558	1.5340	1.159	0.049	1.63	0.000	-3.67	1017	0.000	-3.58	861.46	0.000
GROUP 2	461	1.8373	1.481	0.069								
SIR106												
GROUP 1	544	3.5607	1.328	0.057	1.02	0.859	-1.57	983	0.117	-1.57	944.33	0.116
GROUP 2	441	3.6939	1.317	0.063								
SIR107												
GROUP 1	514	3.4494	1.291	0.057	1.02	0.871	-0.77	925	0.439	-0.77	879.72	0.439
GROUP 2	413	3.5157	1.301	0.064								
SIR108												
GROUP 1	348	3.5086	1.443	0.077	1.11	0.370	-1.01	636	0.312	-1.01	603.35	0.314
GROUP 2	290	3.6276	1.518	0.089								
SIR109												
GROUP 1	464	3.3513	1.293	0.060	1.07	0.501	-1.84	865	0.065	-1.84	839.76	0.066
GROUP 2	403	3.5161	1.335	0.067								
SIR110												
GROUP 1	532	3.4173	1.277	0.055	1.02	0.855	-2.81	955	0.005	-2.81	905.65	0.005
GROUP 2	425	3.6518	1.287	0.062								
SIR111												
GROUP 1	331	3.1903	1.334	0.073	1.18	0.142	-1.73	642	0.084	-1.73	630.09	0.084
GROUP 2	313	3.3802	1.448	0.082								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	F 2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIB112												
GROUP 1	302	3.2781	1.310	0.075	1.13	0.296	-0.41	568	0.682	-0.41	549.93	0.683
GROUP 2	268	3.3246	1.394	0.085								
SIB113												
GROUP 1	476	3.4097	1.203	0.055	1.18	0.090	-3.17	870	0.002	-3.15	813.05	0.002
GROUP 2	396	3.6793	1.305	0.066								
SIB114												
GROUP 1	603	2.0415	1.354	0.055	1.05	0.585	0.14	1102	0.889	0.14	1055.95	0.890
GROUP 2	501	2.0299	1.386	0.062								
SIB115												
GROUP 1	599	2.0317	1.399	0.057	1.19	0.046	-3.25	1095	0.001	-3.23	1020.97	0.001
GROUP 2	498	2.2992	1.524	0.068								
SIB116												
GROUP 1	597	2.6533	1.664	0.068	1.06	0.507	-1.83	1092	0.067	-1.83	1045.06	0.068
GROUP 2	497	2.8410	1.712	0.077								
SIB117												
GROUP 1	597	1.8559	1.388	0.057	1.16	0.075	-2.43	1098	0.015	-2.41	1034.88	0.016
GROUP 2	503	2.0676	1.497	0.067								
SIB118												
GROUP 1	605	2.0727	1.160	0.048	1.20	0.036	-1.22	1104	0.222	-1.21	1025.18	0.226
GROUP 2	501	2.1637	1.290	0.058								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIR119												
GROUP 1	597	2.0519	1.148	0.047	1.37	0.000	-2.67	1093	0.008	-2.63	983.04	0.009
GROUP 2	498	2.2530	1.343	0.060								
SIR120												
GROUP 1	598	2.1572	1.244	0.051	1.13	0.146	-2.34	1088	0.020	-2.32	1020.44	0.020
GROUP 2	492	2.3394	1.324	0.060								
SIR121												
GROUP 1	602	1.9203	1.092	0.044	1.38	0.000	-2.58	1097	0.010	-2.54	978.47	0.011
GROUP 2	497	2.1046	1.282	0.057								
SIR122												
GROUP 1	591	3.6904	1.981	0.082	1.05	0.601	2.62	1091	0.009	2.62	1069.73	0.009
GROUP 2	502	3.3785	1.937	0.086								
SIR123												
GROUP 1	590	3.9983	1.813	0.075	1.05	0.566	2.96	1084	0.003	2.96	1042.94	0.003
GROUP 2	496	3.6673	1.859	0.083								
SIR124												
GROUP 1	587	2.5792	1.803	0.074	1.03	0.727	-1.40	1075	0.162	-1.40	1046.23	0.161
GROUP 2	490	2.7327	1.776	0.080								
SIR125												
GROUP 1	593	1.7622	1.239	0.051	1.17	0.076	-1.71	1075	0.088	-1.70	997.31	0.090
GROUP 2	484	1.8967	1.338	0.061								

ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIB126												
GROUP 1	600	2.0817	1.475	0.060	1.04	0.625	-1.50	1090	0.134	-1.50	1039.79	0.135
GROUP 2	492	2.2175	1.506	0.068								
SIB127												
GROUP 1	595	1.6891	1.256	0.052	1.28	0.005	-1.74	1077	0.083	-1.71	973.03	0.087
GROUP 2	484	1.8306	1.420	0.065								
SIB128												
GROUP 1	596	3.9077	1.908	0.078	1.02	0.830	2.05	1085	0.040	2.05	1049.12	0.040
GROUP 2	491	3.6701	1.890	0.085								
SIB129												
GROUP 1	597	2.6348	1.876	0.077	1.03	0.707	-1.12	1087	0.262	-1.12	1053.75	0.261
GROUP 2	492	2.7622	1.846	0.083								
SIB130												
GROUP 1	607	1.4926	1.088	0.044	1.56	0.000	-4.63	1107	0.000	-4.53	951.74	0.000
GROUP 2	502	1.8327	1.359	0.061								
SIB132												
GROUP 1	591	2.1083	1.571	0.065	1.20	0.039	-1.63	1069	0.102	-1.62	982.50	0.106
GROUP 2	480	2.2729	1.719	0.078								
SIB134												
GROUP 1	608	3.6135	1.533	0.062	1.07	0.456	2.40	1104	0.016	2.40	1047.82	0.017
GROUP 2	498	3.3875	1.582	0.071								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIB135												
GROUP 1	607	2.5881	1.903	0.077	1.05	0.598	-2.92	1101	0.004	-2.91	1048.04	0.004
GROUP 2	496	2.9274	1.946	0.087								
SIB138												
GROUP 1	592	3.4443	1.789	0.074	1.03	0.726	-3.22	1069	0.001	-3.22	1029.04	0.001
GROUP 2	479	3.7954	1.762	0.081								
SIB139												
GROUP 1	585	4.5915	1.576	0.065	1.10	0.281	0.56	1068	0.576	0.56	1012.47	0.577
GROUP 2	485	4.5361	1.652	0.075								
SIB140												
GROUP 1	586	4.8225	1.549	0.064	1.23	0.020	2.44	1060	0.015	2.42	968.13	0.016
GROUP 2	476	4.5777	1.714	0.079								
SIB141												
GROUP 1	582	4.6512	1.711	0.071	1.07	0.434	1.84	105[illegible]	0.066	1.83	1000.58	0.067
GROUP 2	476	4.4538	1.770	0.081								
SIB142												
GROUP 1	583	4.5866	1.736	0.072	1.03	0.732	1.45	1060	0.147	1.45	1014.52	0.147
GROUP 2	479	4.4301	1.762	0.080								
SIB143												
GROUP 1	584	5.1712	1.515	0.063	1.19	0.048	2.81	1058	0.005	2.79	976.04	0.005
GROUP 2	476	4.8971	1.652	0.076								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIB144												
GROUP 1	584	4.6969	1.807	0.075	1.03	0.737	0.84	1063	0.401	0.84	1018.54	0.402
GROUP 2	481	4.6029	1.833	0.084								
SIB145												
GROUP 1	584	4.9435	1.678	0.069	1.17	0.074	1.91	1066	0.057	1.89	996.25	0.059
GROUP 2	484	4.7397	1.813	0.082								
SIB146												
GROUP 1	578	5.0588	1.610	0.067	1.04	0.635	0.92	1052	0.358	0.92	1005.46	0.359
GROUP 2	476	4.9664	1.644	0.075								
SIB147												
GROUP 1	577	5.2357	1.467	0.061	1.09	0.308	1.22	1048	0.224	1.21	989.37	0.226
GROUP 2	473	5.1226	1.534	0.071								
SIB148												
GROUP 1	598	3.1355	1.754	0.072	1.08	0.363	-3.57	1084	0.000	-3.56	1023.75	0.000
GROUP 2	488	3.5246	1.824	0.083								
SIB149												
GROUP 1	596	3.9530	1.707	0.070	1.04	0.627	-2.54	1079	0.011	-2.53	1025.94	0.011
GROUP 2	485	4.2206	1.744	0.079								
SIB150												
GROUP 1	599	5.1185	1.437	0.059	1.28	0.004	2.59	1088	0.010	2.56	986.09	0.011
GROUP 2	491	4.8778	1.628	0.073								

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIH151												
GROUP 1	592	5.3733	1.305	0.054	1.29	0.003	2.72	1070	0.007	2.68	961.20	0.007
GROUP 2	480	5.1417	1.485	0.068								
SIH152												
GROUP 1	594	5.2727	1.399	0.057	1.23	0.016	2.39	1075	0.017	2.36	981.15	0.018
GROUP 2	483	5.0580	1.552	0.071								
SIH153												
GROUP 1	596	5.2735	1.387	0.057	1.42	0.000	3.49	1076	0.001	3.43	938.51	0.001
GROUP 2	482	4.9502	1.653	0.075								
SIH154												
GROUP 1	594	5.2896	1.371	0.056	1.28	0.004	2.45	1079	0.015	2.42	978.93	0.016
GROUP 2	487	5.0719	1.551	0.070								
SIH155												
GROUP 1	594	5.1195	1.535	0.063	1.16	0.083	1.46	1072	0.144	1.45	990.10	0.148
GROUP 2	480	4.9771	1.654	0.076								
SIH156												
GROUP 1	594	5.3973	1.307	0.054	1.32	0.001	2.45	1076	0.015	2.41	964.74	0.016
GROUP 2	484	5.1880	1.499	0.068								
SIH157												
GROUP 1	591	5.5127	1.197	0.049	1.20	0.036	1.80	1067	0.072	1.78	977.78	0.075
GROUP 2	478	5.3745	1.311	0.060								

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ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIB169												
GROUP 1	575	1.9322	1.387	0.058	1.28	0.006	-2.95	1037	0.003	-2.91	932.78	0.004
GROUP 2	464	2.2026	1.567	0.073								
SIB206												
GROUP 1	582	8.9828	4.888	0.203	1.05	0.545	2.11	1028	0.035	2.11	948.72	0.035
GROUP 2	448	8.3259	5.020	0.237								
SIB210												
GROUP 1	582	7.8952	7.327	0.304	1.00	0.975	1.19	1015	0.235	1.19	934.42	0.235
GROUP 2	435	7.3425	7.336	0.352								
SIB211												
GROUP 1	575	17.1530	11.592	0.483	1.07	0.445	-2.40	995	0.016	-2.39	889.31	0.017
GROUP 2	422	18.9644	11.997	0.584								
SIB212												
GROUP 1	576	17.1944	11.379	0.474	1.09	0.350	-1.86	996	0.064	-1.85	885.07	0.065
GROUP 2	422	18.5735	11.869	0.578								
SIB218												
GROUP 1	587	4.5622	2.657	0.110	1.13	0.181	2.83	1039	0.005	2.85	999.62	0.004
GROUP 2	454	4.1035	2.504	0.118								
SIB219												
GROUP 1	587	4.4327	2.175	0.090	1.04	0.682	1.17	1037	0.242	1.17	961.55	0.243
GROUP 2	452	4.2721	2.214	0.104								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIB258												
GROUP 1	569	1.6169	0.487	0.020	1.06	0.532	3.39	987	0.001	3.37	888.53	0.001
GROUP 2	420	1.5095	0.501	0.024								
SIB259												
GROUP 1	566	1.1131	0.317	0.013	1.43	0.000	-2.72	985	0.007	-2.65	808.03	0.008
GROUP 2	421	1.1734	0.379	0.018								
SIB261												
GROUP 1	562	1.1673	0.374	0.016	1.34	0.001	-3.12	980	0.002	-3.05	825.36	0.002
GROUP 2	420	1.2476	0.432	0.021								
SIB264												
GROUP 1	557	1.8653	0.342	0.014	1.16	0.108	1.14	972	0.255	1.13	859.09	0.260
GROUP 2	417	1.8393	0.368	0.018								
SIB270												
GROUP 1	555	1.9405	0.237	0.010	1.93	0.000	3.51	967	0.000	3.35	714.04	0.001
GROUP 2	414	1.8768	0.329	0.016								
SIB274												
GROUP 1	544	1.8290	0.377	0.016	1.12	0.221	1.05	952	0.293	1.04	853.71	0.296
GROUP 2	410	1.8024	0.399	0.020								
SIB279												
GROUP 1	537	1.9199	0.272	0.012	1.52	0.000	2.43	941	0.015	2.36	765.61	0.018
GROUP 2	406	1.8719	0.335	0.017								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIA281												
GROUP 1	532	1.9060	0.292	0.013	1.53	0.000	2.77	928	0.006	2.69	747.55	0.007
GROUP 2	398	1.8467	0.361	0.018								
SIA297												
GROUP 1	517	4.5648	1.003	0.044	1.51	0.000	4.92	899	0.000	4.77	722.15	0.000
GROUP 2	384	4.1979	1.234	0.063								
SIA304												
GROUP 1	501	4.0519	1.600	0.072	1.00	0.987	5.20	873	0.000	5.20	804.10	0.000
GROUP 2	374	3.4840	1.599	0.083								
SIA306												
GROUP 1	496	1.3508	0.478	0.021	1.09	0.371	-3.19	854	0.001	-3.17	753.65	0.002
GROUP 2	360	1.4583	0.499	0.026								
SIA307												
GROUP 1	487	2.7659	1.769	0.080	1.01	0.900	-2.01	843	0.045	-2.01	766.81	0.045
GROUP 2	358	3.0140	1.780	0.094								
SIA308												
GROUP 1	475	2.8021	1.744	0.080	1.02	0.845	-2.96	818	0.003	-2.95	737.25	0.003
GROUP 2	345	3.1681	1.761	0.095								
SIA309												
GROUP 1	481	2.7048	1.713	0.078	1.06	0.531	-3.05	829	0.002	-3.04	738.54	0.002
GROUP 2	350	3.0771	1.766	0.094								

ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIB310												
GROUP 1	482	2.4523	1.591	0.072	1.14	0.178	-2.54	829	0.011	-2.52	719.72	0.012
GROUP 2	349	2.7450	1.700	0.091								
SIB311												
GROUP 1	480	2.7687	1.696	0.077	1.02	0.824	-2.48	828	0.013	-2.48	747.47	0.014
GROUP 2	350	3.0657	1.714	0.092								
SIB312												
GROUP 1	477	3.2767	1.882	0.086	1.03	0.766	-0.17	819	0.864	-0.17	745.62	0.864
GROUP 2	344	3.2994	1.853	0.100								
SIB313												
GROUP 1	472	2.9280	1.528	0.070	1.02	0.845	-2.02	814	0.044	-2.02	743.44	0.044
GROUP 2	344	3.1453	1.513	0.082								
SIB314												
GROUP 1	463	3.2765	1.711	0.080	1.03	0.769	-2.44	795	0.015	-2.45	723.91	0.014
GROUP 2	334	3.5749	1.685	0.092								
SIB315												
GROUP 1	470	3.8957	1.832	0.084	1.09	0.418	0.65	810	0.518	0.65	751.57	0.515
GROUP 2	342	3.8129	1.758	0.095								
SIB316												
GROUP 1	470	3.6489	1.738	0.080	1.01	0.920	-0.37	803	0.708	-0.37	717.41	0.709
GROUP 2	335	3.6955	1.747	0.095								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIR317												
GROUP 1	466	3.7468	1.733	0.080	1.04	0.701	1.35	801	0.179	1.34	715.90	0.180
GROUP 2	337	3.5786	1.766	0.096								
SIR318												
GROUP 1	467	3.1306	1.755	0.081	1.05	0.612	0.00	802	1.000	0.00	734.82	1.000
GROUP 2	337	3.1306	1.710	0.093								
SIR319												
GROUP 1	453	3.6159	1.874	0.088	1.05	0.609	0.74	773	0.458	0.75	702.42	0.456
GROUP 2	322	3.5155	1.824	0.102								
SIR320												
GROUP 1	452	3.5730	1.727	0.081	1.00	0.966	0.07	778	0.943	0.07	703.93	0.943
GROUP 2	328	3.5640	1.730	0.096								
SIR321												
GROUP 1	446	3.8027	1.683	0.080	1.05	0.636	-0.08	769	0.937	-0.08	707.92	0.937
GROUP 2	325	3.8123	1.642	0.091								
SIR322												
GROUP 1	443	3.7607	1.679	0.080	1.06	0.593	-0.30	756	0.768	-0.30	687.69	0.767
GROUP 2	315	3.7968	1.633	0.092								
SIR323												
GROUP 1	445	4.2270	1.557	0.074	1.05	0.609	0.34	763	0.732	0.34	676.55	0.734
GROUP 2	320	4.1875	1.598	0.089								

ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TALS08

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIB324												
GROUP 1	445	4.4022	1.618	0.077	1.03	0.769	0.52	757	0.604	0.52	680.43	0.603
GROUP 2	314	4.3408	1.593	0.090								
SIB325												
GROUP 1	440	4.0159	1.709	0.081	1.05	0.631	1.32	753	0.186	1.33	686.60	0.185
GROUP 2	315	3.8508	1.666	0.094								
SIB326												
GROUP 1	436	4.1376	1.672	0.080	1.03	0.805	1.58	736	0.114	1.59	652.98	0.113
GROUP 2	302	3.9404	1.649	0.095								
SIB327												
GROUP 1	439	4.1276	1.659	0.079	1.01	0.936	1.64	751	0.101	1.64	676.15	0.101
GROUP 2	314	3.9268	1.651	0.093								
SIB328												
GROUP 1	439	4.3508	1.625	0.078	1.01	0.885	1.83	746	0.068	1.83	660.14	0.068
GROUP 2	309	4.1294	1.636	0.093								
SIB329												
GROUP 1	436	4.4839	1.619	0.078	1.08	0.484	1.72	744	0.086	1.71	650.60	0.088
GROUP 2	310	4.2742	1.680	0.095								
SIB330												
GROUP 1	432	4.5185	1.595	0.077	1.04	0.690	1.69	735	0.091	1.69	646.16	0.092
GROUP 2	305	4.3148	1.628	0.093								

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
SIB331												
GROUP 1	428	4.5421	1.599	0.077	1.01	0.958	2.08	730	0.038	2.08	651.66	0.038
GROUP 2	304	4.2928	1.603	0.092								
SIB332												
GROUP 1	426	4.2136	1.727	0.084	1.01	0.949	1.00	733	0.315	1.01	665.19	0.315
GROUP 2	309	4.0841	1.721	0.098								
SIB333												
GROUP 1	444	2.6126	1.226	0.058	1.22	0.055	-0.91	763	0.364	-0.89	647.67	0.372
GROUP 2	321	2.6978	1.353	0.076								
SIB337												
GROUP 1	442	4.0588	1.257	0.060	1.23	0.044	3.06	761	0.002	3.01	645.88	0.003
GROUP 2	321	3.7632	1.394	0.078								
SIB338												
GROUP 1	444	3.9752	1.544	0.073	1.14	0.210	2.71	762	0.007	2.68	660.32	0.007
GROUP 2	320	3.6594	1.648	0.092								
SIB348												
GROUP 1	411	3.3917	1.431	0.071	1.09	0.425	0.31	708	0.760	0.30	626.10	0.762
GROUP 2	299	3.3579	1.494	0.086								
SIB350												
GROUP 1	405	2.4148	1.361	0.068	1.11	0.318	-1.54	700	0.123	-1.53	617.94	0.126
GROUP 2	297	2.5791	1.436	0.083								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIB351												
GROUP 1	403	2.2134	1.265	0.063	1.28	0.023	-3.62	689	0.000	-3.55	570.19	0.000
GROUP 2	288	2.5868	1.431	0.084								
SIB352												
GROUP 1	402	2.0473	1.165	0.058	1.48	0.000	-5.61	693	0.000	-5.44	553.44	0.000
GROUP 2	293	2.5973	1.415	0.083								
SIB353												
GROUP 1	400	2.3300	1.312	0.066	1.06	0.582	-2.55	687	0.011	-2.54	609.67	0.011
GROUP 2	289	2.5917	1.351	0.079								
SIB354												
GROUP 1	401	2.1945	1.226	0.061	1.27	0.030	-2.23	687	0.026	-2.18	572.66	0.029
GROUP 2	288	2.4167	1.379	0.081								
SIB355												
GROUP 1	399	2.4311	1.394	0.070	1.09	0.410	-2.28	683	0.023	-2.26	597.28	0.024
GROUP 2	286	2.6818	1.458	0.086								
SIB356												
GROUP 1	390	2.6538	1.307	0.066	1.08	0.463	-1.05	678	0.294	-1.04	608.82	0.297
GROUP 2	290	2.7621	1.360	0.080								
SIB357												
GROUP 1	388	2.4742	1.344	0.068	1.11	0.321	-3.04	672	0.002	-3.02	594.94	0.003
GROUP 2	286	2.8007	1.419	0.084								

96710--PHASE 2 ANALYSIS OF ALCOHOLISM--"SHOTGUN"
ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE IAL508

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE	NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
SIB358												
GROUP 1	390	2.4590	1.301	0.066	1.26	0.035	-3.27	674	0.001	-3.21	571.39	0.001
GROUP 2	286	2.8077	1.461	0.086								
SIP359												
GROUP 1	383	2.7911	1.345	0.069	1.08	0.472	-0.85	669	0.395	-0.85	604.99	0.398
GROUP 2	288	2.8819	1.399	0.082								
SIB360												
GROUP 1	385	2.8935	1.426	0.073	1.00	0.986	0.45	670	0.651	0.45	616.69	0.651
GROUP 2	287	2.8432	1.424	0.084								
SIB361												
GROUP 1	386	2.7591	1.406	0.072	1.06	0.583	0.98	666	0.327	0.99	615.93	0.325
GROUP 2	282	2.6525	1.363	0.081								
SIB362												
GROUP 1	386	3.4093	1.164	0.059	1.52	0.000	-0.16	666	0.872	-0.16	527.62	0.876
GROUP 2	282	3.4255	1.433	0.085								
SIB363												
GROUP 1	384	2.8281	0.997	0.051	1.31	0.015	-1.48	667	0.139	-1.45	563.20	0.147
GROUP 2	285	2.9509	1.140	0.068								
SIB364												
GROUP 1	380	3.3500	1.018	0.052	1.27	0.030	-1.28	662	0.202	-1.26	567.20	0.210
GROUP 2	284	3.4577	1.147	0.068								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE		NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	F 2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
A500	GROUP 1	651	64.9723	30.084	1.179	1.17	0.060	0.03	1179	0.977	0.03	1091.86	0.977
	GROUP 2	530	64.9189	32.508	1.412								
R601	GROUP 1	631	6.4485	2.898	0.115	1.21	0.024	3.93	1154	0.000	3.97	1144.82	0.000
	GROUP 2	525	5.8019	2.636	0.115								
R602	GROUP 1	611	4.2242	2.156	0.087	1.09	0.300	4.29	1108	0.000	4.31	1080.80	0.000
	GROUP 2	499	3.6774	2.062	0.092								
R604	GROUP 1	604	3.9967	1.872	0.076	1.08	0.376	4.71	1094	0.000	4.73	1064.16	0.000
	GROUP 2	492	3.4695	1.802	0.081								
R605	GROUP 1	603	4.2952	2.374	0.097	1.38	0.000	6.68	1102	0.000	6.78	1101.42	0.000
	GROUP 2	501	3.3992	2.018	0.090								
R606	GROUP 1	613	5.2741	2.529	0.102	1.17	0.066	5.89	1126	0.000	5.93	1115.67	0.000
	GROUP 2	515	4.4136	2.339	0.103								
R607	GROUP 1	631	4.7797	2.333	0.093	1.12	0.175	3.58	1140	0.000	3.60	1113.54	0.000
	GROUP 2	511	4.2955	2.203	0.097								

ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE		NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	F 2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
P604 leadership	GROUP 1	438	1.9589	1.204	0.058	1.06	0.553	-0.10	775	0.920	-0.10	737.11	0.920
	GROUP 2	339	1.9676	1.167	0.063								
P609 self confidence	GROUP 1	632	5.1313	2.253	0.090	1.13	0.138	4.33	1153	0.000	4.36	1134.60	0.000
	GROUP 2	523	4.5698	2.116	0.093								
P701 physical sciences, engineering, math.	GROUP 1	647	21.0587	8.351	0.328	1.09	0.299	1.55	1172	0.122	1.55	1141.88	0.121
	GROUP 2	527	20.3150	7.997	0.348								
P702 living science or medicine	GROUP 1	647	19.1592	9.285	0.365	1.05	0.580	2.03	1172	0.043	2.03	1134.18	0.042
	GROUP 2	527	18.0664	9.073	0.395								
P703 public service	GROUP 1	629	19.3497	11.690	0.466	1.10	0.236	-0.46	1139	0.643	-0.46	1069.19	0.645
	GROUP 2	512	19.6797	12.286	0.543								
P704 literary - linguistic	GROUP 1	647	16.8779	8.290	0.326	1.04	0.610	0.55	1172	0.585	0.55	1133.45	0.584
	GROUP 2	527	16.6148	8.115	0.353								
P705 social service	GROUP 1	647	17.0340	7.471	0.294	1.01	0.916	1.43	1172	0.152	1.43	1122.53	0.152
	GROUP 2	527	16.4042	7.563	0.327								

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GROUP 1 = ARRELAG EQ 0.
GROUP 2 = ARRELAG EQ 1.

VARIABLE		NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
P713 Office work	GROUP 1	647	13.9691	8.436	0.332	1.04	0.666	0.49	1172	0.627	0.48	1116.32	0.628
	GROUP 2	527	13.7268	8.588	0.374								
P714 Mechanical-Technical	GROUP 1	647	19.8655	8.173	0.321	1.06	0.519	-1.56	1172	0.120	-1.56	1135.68	0.119
	GROUP 2	527	20.6834	7.956	0.347								
P715 Skilled Trades	GROUP 1	647	13.8563	7.318	0.288	1.09	0.299	-2.78	1172	0.005	-2.77	1104.00	0.006
	GROUP 2	527	15.0759	7.639	0.333								
P716 Farming	GROUP 1	647	20.7991	9.909	0.390	1.10	0.269	0.91	1172	0.362	0.92	1142.88	0.359
	GROUP 2	527	20.2789	9.462	0.412								
P717 Labor	GROUP 1	647	13.0077	6.951	0.273	1.06	0.491	-3.78	1172	0.000	-3.77	1111.19	0.000
	GROUP 2	527	14.5712	7.152	0.312								
P801 Socioeconomic Index	GROUP 1	639	96.7684	11.689	0.462	1.12	0.179	4.75	1150	0.000	4.76	1120.02	0.000
	GROUP 2	513	93.5536	11.045	0.488								
D802 High School Curriculum	GROUP 1	594	0.4141	0.493	0.020	1.18	0.055	4.33	1084	0.000	4.36	1072.08	0.000
	GROUP 2	492	0.2886	0.454	0.020								

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T - T E S T

GROUP 1 - ARRFLAG EQ 0.
GROUP 2 - ARRFLAG EQ 1.

VARIABLE		NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	DEGREES OF FREEDOM	2-TAIL PROB.
F803													
High School Courses Taken	GROUP 1	594	25.7020	15.880	0.652	1.04	0.661	0.91	1084	0.364	0.91	1039.25	0.365
	GROUP 2	492	24.8150	16.181	0.730								
P820													
High School Grades	GROUP 1	557	25.4596	10.233	0.434	1.02	0.825	2.46	1018	0.014	2.46	980.72	0.014
	GROUP 2	463	23.8682	10.333	0.480								
F822													
Sentences Received in N.J.	GROUP 1	624	19.5897	17.109	0.685	1.07	0.413	-2.97	1141	0.003	-2.96	1088.91	0.003
	GROUP 2	519	22.6609	17.706	0.777								
F823													
Sentences Received Elsewhere	GROUP 1	624	11.8670	7.255	0.290	1.01	0.895	0.95	1141	0.340	0.95	1105.56	0.340
	GROUP 2	519	11.4566	7.214	0.317								
P828													
Self-Perception of Writing Skills	GROUP 1	640	21.6234	8.069	0.319	1.03	0.718	3.12	1149	0.002	3.12	1086.08	0.002
	GROUP 2	511	20.1194	8.191	0.362								
P829													
Self-Perception of Reading Skills	GROUP 1	614	24.2280	7.667	0.309	1.07	0.402	4.31	1120	0.000	4.32	1093.95	0.000
	GROUP 2	508	22.2776	7.398	0.328								
F830													
Amount of Extra-Curricular Reading	GROUP 1	642	33.1417	22.533	0.889	1.01	0.895	-0.92	1156	0.359	-0.92	1105.61	0.359
	GROUP 2	516	34.3605	22.406	0.986								

96710--PHASE 2 ANALYSIS OF ALCOHOLISM--"SHOTGUN" 01/08/77 PAGE 80
ARREST VS NO ARREST T-TEST ON 468 PREDICTORS
FILE SAMPLE (CREATION DATE = 01/08/77) P96710.SAMPLE ON TAPE TAL508

T - T E S T

GROUP 1 - ARRFLAG EQ 0
GROUP 2 - ARRFLAG EQ 1

VARIABLE		NUMBER OF CASES	MEAN	STANDARD DEVIATION	STANDARD ERROR	F VALUE	2-TAIL PROB.	POOLED VARIANCE ESTIMATE T VALUE	POOLED VARIANCE ESTIMATE DEGREES OF FREEDOM	POOLED VARIANCE ESTIMATE 2-TAIL PROB.	SEPARATE VARIANCE ESTIMATE T VALUE	SEPARATE VARIANCE ESTIMATE DEGREES OF FREEDOM	SEPARATE VARIANCE ESTIMATE 2-TAIL PROB.
P831 Variety of extra curricular group activities (except sports)	GROUP 1	647	35.4729	27.595	1.085	1.29	0.002	-2.84	1169	0.005	-2.80	1049.97	0.005
	GROUP 2	524	40.3664	31.374	1.371								
P833 Degree of participation in extra curricular group activities (except sports)	GROUP 1	574	63.7038	23.726	0.990	1.08	0.363	0.79	1036	0.433	0.78	973.70	0.434
	GROUP 2	464	62.5194	24.694	1.146								
F835 Participation in Sports	GROUP 1	575	15.6991	5.627	0.235	1.18	0.054	2.42	1042	0.016	2.40	962.42	0.017
	GROUP 2	469	14.8188	6.124	0.283								
F836 Leadership Roles	GROUP 1	649	19.1710	14.367	0.564	1.16	0.080	-1.65	1175	0.098	-1.64	1090.63	0.101
	GROUP 2	528	20.6117	15.444	0.672								
F837 Social clubs	GROUP 1	642	44.1480	17.466	0.689	1.02	0.802	-4.98	1156	0.000	-4.99	1107.83	0.000
	GROUP 2	516	49.2674	17.201	0.761								
F839 Work Activities (Short a jobs)	GROUP 1	575	17.6800	6.751	0.282	1.16	0.091	-0.78	1042	0.435	-0.79	1024.82	0.431
	GROUP 2	469	17.9979	6.264	0.289								

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